

# Florian Lefevre

## Lead Tech / Engineering Manager hands-on

Angular · TypeScript strict · NestJS · Architecture applicative ·  
Qualité & delivery

**Lead Tech / Engineering Manager hands-on**, specialised in the **design, development** and **evolution of business web applications**, with deep expertise in **Angular, TypeScript strict** and **NestJS**.

I support teams on **application architecture, code quality**, reviews, **delivery** and **upskilling**, while maintaining hands-on involvement in technical decisions.

I integrate AI assistance — including **Claude Code, GitHub Copilot**, agents and skills — as a lever for analysis, development, documentation and continuous improvement, while retaining **full ownership of engineering decisions**.



Toulouse area 

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### OPERATIONAL SUMMARY

- Design and delivery of business web applications, with strong **Angular / TypeScript strict** expertise.
- Application architecture, codebase structuring and pragmatic technical decisions.
- Hands-on technical leadership: code review, quality, **CI/CD**, team support.
- Product / Data / Tech collaboration to frame requirements, prioritise and secure delivery.

## AREAS OF EXPERTISE



### Business application design

Design and delivery of business web applications, from scoping to production.



### Application architecture

Design of modular foundations, structural decisions, modern/legacy coexistence.



### Quality & industrialisation

TypeScript strict, ESLint, code review, CI/CD pipelines and delivery reliability.



### Technical leadership

Team coaching, structured code reviews, technical trade-offs.



### Delivery & product collaboration

Scope planning, prioritisation and risk management with product and stakeholders.



### Hands-on management

Managing 3 to 7 developers, hiring, agile rituals and upskilling.

## KEY SKILLS



### TECHNICAL LEADERSHIP & ARCHITECTURE

Technical Leadership ·

Application Architecture ·

Technical Roadmap · Legacy Modernization

· Coaching · Technical decisions ·

Trade-offs



### MANAGEMENT & DELIVERY

Engineering Management ·

Delivery Management ·

Product Collaboration · Team Leadership ·

Recruiting · Onboarding ·

Stakeholder Management



### QUALITY & INDUSTRIALISATION

Code Review · CI/CD · ESLint ·

Cypress / Playwright · Swagger / OpenAPI

· Prettier



### FRONTEND

Angular · TypeScript strict · RxJS ·

NgRx · Nx · HTML / CSS



### BACKEND & FULLSTACK

NestJS · Node.js · PHP/Symfony ·

Python · Java



### DATABASES

PostgreSQL · MySQL · Oracle



### DEVOPS & PRODUCTION

AWS · Docker · GitHub · GitLab ·

Bitbucket · Linux · Nginx / Apache



### TOOLS & METHODS

Agile (Scrum / Kanban) · Iterative V-cycle

· Jira · Notion · Confluence



### AI ASSISTANCE & AUTOMATION

Claude Code · GitHub Copilot · AI Agents

· Skills · AI-assisted documentation ·

Code analysis

## MAIN EXPERIENCE

**BlueWhale** (Florian Lefevre Consulting)

Apr 2025 — Apr 2026

Lead Tech Angular / Java

Montauban

**Lead Tech** on a management and sales ERP for agricultural products, used by 50 to 100 users, in a complex legacy environment mixing **Angular**, **Java/Spring 2**, **PowerBuilder**, Oracle 9, Tomcat and ageing Windows Server infrastructure.

The objective of the engagement was to progressively modernise the application foundation, strengthen development practices and secure delivery, while keeping the existing system in production.

Key skills:

**Angular** · **TypeScript strict** · **Technical Leadership** · **Code Review** · **Legacy Modernization** ·  
Nx · NgRx · Java/Spring · NestJS · Technical Debt Reduction · CI/CD · Code Quality

**Impact:** modernised a business legacy ERP without service interruption, with strengthened quality practices, secured delivery and operational team support.

*Environment : Angular, Angular Material, TypeScript, RxJS, NgRx, NX, Eslint, Java, PowerBuilder, Node.js scripts, Git (Bitbucket), Docker, GNU/Linux, Windows Server 2003, Oracle 9, PostgreSQL*

### Leadership & delivery

- **Operational leadership** of a team of 3 fullstack developers: sprint organisation, topic clarification, code review, technical trade-offs and best practice dissemination.
- Collaboration with product to refine requirements, challenge solutions, assist with prioritisation, scope planning and delivery security.
- Resolution of technical blockers around code, **CI/CD** and release processes.

### Frontend modernisation

- **Progressive frontend modernisation:** **Angular 15** → **21** migration, **DevExtreme** update and preparation of a migration to **Angular Material**.
- Introduction of guardrails and conventions to progressively cohabit **DevExtreme** and **Angular Material**.
- Introduction of **NgRx** to structure state management, improve code readability and make complex application flows more reliable.

## Quality & technical foundation

- **Progressive code quality improvement:** TypeScript strict, strict ESLint, Prettier and development conventions.
- Development standardisation with Nx: schematics, conventions and workspace structuring.
- Objective: ease migrations, accelerate code generation and prepare future modular Angular/NestJS applications.
- Definition of an **incremental modernisation approach** balancing legacy production maintenance, integration of new technical components and progressive debt reduction.

**Journey** (Florian Lefevre Consulting)  
Software Engineering Manager hands-on

Jan 2023 — Aug 2024  
Full remote

**Software Engineering Manager hands-on** on an internal application ecosystem dedicated to immigration business plan generation, used by around a hundred internal users, on a stack of Angular, NestJS, Nx, PHP, Node.js, Python and AWS.

**Objective:** move from a still-young application foundation and highly manual workflows to a structured, maintainable ecosystem capable of industrialising internal document production.

Key skills:

**Engineering Management · Technical Leadership · Software Architecture · Delivery Management · Full-Stack Development**

· Angular · NestJS · TypeScript strict ·

PHP/Symfony · Python · AWS · CI/CD · Technical Roadmap · Team Leadership · Product Collaboration · AI-Assisted Development

**Impact:** structured an international team of 7 developers and industrialised an ecosystem of 6 internal applications, enabling faster and more reliable business plan production.

*Environment : Angular, NestJS, NodeJS, TypeScript strict, RxJS, NgRx, Nx, Git (Bitbucket / GitHub), Jira, Notion, Docker, GNU/Linux*

## Team & management

- Strengthened, structured and **managed an international team of 7 developers**, split into 2 squads: fullstack Angular/NestJS/PHP and Python/Data.
- Hiring, onboarding, agile rituals, one-on-ones, operational follow-up and priority management.

- Set up team ways of working adapted to an international context: async communication, cultural differences, time zones and progressive upskilling.
- Team coaching on code review practices, knowledge sharing and technical ownership.

### Architecture & industrialisation

- **Designed the software, application and technical architecture** of an **ecosystem of 6 applications**.
- Stack: **Angular** applications, Microsoft Word plugin, legacy **PHP** backend, **NestJS** services, **Node.js** scripts and **Python** AI modules.
- Shipped and evolved a first financial application, then progressively industrialised business plan writing tools.
- Progressive replacement of manual workflows and legacy tools with dedicated business applications, to secure processes and reduce errors.
- Development of a **Microsoft Word plugin in Angular**, enabling financial data to be integrated directly into documents authored by the teams.
- Set up **NestJS** services and **Node.js** scripts to synchronise data between Microsoft, Google, HubSpot, Wrike and internal tools.
- Integration of **AI modules in Python** to assist with proofreading, correction and inconsistency detection in Word documents.

### Modernisation & hands-on technical

- **Hands-on technical ownership:** POC, architecture decisions, API integrations, technology trade-offs and evolution security.
- **Progressive Symfony/PHP → Nx/NestJS migration**, maintaining the useful legacy engine and cohabiting with new **TypeScript** components better mastered by the team.
- Pragmatic decision to retain the functional legacy core while migrating management, storage, formatting and integration responsibilities to better-mastered components.
- Introduction of development standards: **Nx**, schematics, **TypeScript strict**, **ESLint** and code conventions.
- Objective: homogenise practices, ease onboarding and secure evolutions.
- Ownership of **CI/CD**, deployments, **Bitbucket** to **GitHub** migration and early practices around **GitHub Copilot** as a development assistant.

## Product, data & delivery

- Ownership of the technical roadmap: architecture decisions, technology trade-offs, debt prioritisation, tooling choices and medium-term evolution security.
- Active contribution to **Product / Data / Tech** trade-offs with the CPO and Data team.
- Requirement clarification, estimation, prioritisation, tooling choices, POC/MVP and delivery coordination.
- Regular challenge of requirements, proposal of alternative technical or functional solutions and scope breakdown to deliver smaller, faster and more safely.
- Contribution to **AWS** infrastructure improvement and coordination with external teams responsible for infrastructure audit and optimisation.

**Kaliz** (Florian Lefevre Consulting)  
Angular Lead Dev

Apr 2021 – Jun 2023  
Toulouse

**Angular Lead Dev** on a critical real estate management application, the backbone of business operations for around thirty users.

I held technical frontend responsibility while remaining heavily involved in development, refactoring and structural topics.

Key skills: **Angular · Technical Leadership · Code Review · Technical Debt Reduction · CI/CD** · TypeScript strict · RxJS · NgRx · Nx · GitLab CI/CD · Cypress · Playwright · API Contracts · Swagger

**Impact:** took ownership of a critical frontend, progressive reduction of technical debt and improved team capacity to deliver reliable evolutions.

*Environment : Angular, TypeScript strict, RxJS, NgRx, Nx, HTML, CSS, Git (Gitlab), Docker, Notion, Cypress / Playwright, GNU/Linux*

### Hands-on development

- Development on structural frontend topics: refactoring, complex components, business evolutions, library updates and continuous improvement of the **Angular** foundation.
- Took ownership of a complex **Angular** frontend with debt impacting code readability, evolution quality and delivery capacity.
- Work on an application rich in forms, tables, business flows and frontend/backend interactions.
- Bug fixes, behavioural improvements and progressive hardening of critical paths.

## Technical leadership & quality

- Technical leadership over 4 to 5 frontend developers: code review, coaching, best practice dissemination, technical trade-offs and upskilling support.
- Deep code audit and definition of an **improvement roadmap** over several months.
- Objective: reduce debt, improve maintainability and strengthen the team's capacity to evolve the application.
- Ownership of the **frontend technical roadmap**: debt prioritisation, architecture decisions and migration planning.
- Quality/timeline trade-offs and CTO validation on structural topics.
- Progressive strengthening of **frontend quality**: **TypeScript strict**, strict **ESLint**, development conventions.
- Structured code reviews, **Angular/RxJS** best practices and library currency.

## Architecture & delivery

- Introduction of **Nx** and schematics to standardise recurring component generation, speed up refactoring and improve developer experience.
- Introduction of **NgRx** to centralise application state, clarify complex business logic, reduce bugs from inconsistent states and limit unnecessary backend calls.
- Set up an end-to-end test foundation with **Cypress / Playwright** on essential business paths, particularly around lease creation and rental management.
- Evolution of **GitLab CI/CD**, deployment processes and frontend delivery reliability.
- Improved **frontend/backend collaboration** through clear interface contracts (**Swagger**).
- Objective: reduce API/frontend discrepancies, limit back-and-forth and make developments more reliable.
- Collaboration with product and users to clarify requirements, refine tickets, scope planning, UX/business improvement proposals and accelerate feature delivery.

**Canal+** (Omnilog)

Jan 2012 — Sept 2015

Fullstack developer then technical lead

Paris

Fullstack developer then technical lead on Canal+ interfaces for set-top boxes and web platforms, in a mission-critical context with high availability, high user volumes and strict multi-platform constraints.

This long engagement allowed me to build a solid production culture: performance, resilience, monitoring, cross-team coordination, high-stakes releases and large-scale operations.

Key skills: **PHP · MySQL · High Availability · Technical Coordination · Release Management** · HTML/CSS · AngularJS · NoSQL · Monitoring · Linux Servers · Accessibility

**Impact:** built a strong production culture on a mission-critical, very high-volume application, with high-stakes releases, monitoring, cross-team coordination and high-availability constraints.

*Environment : PHP, HTML, CSS, JavaScript, MySQL, NoSQL, AngularJS, SVN, Git, Redmine, Trello, Jenkins, Jira, Confluence, Windows, GNU/Linux, Apache, Httpd, Nginx*

Progression: initially a fullstack **PHP/Smarty** developer, then technical lead and cross-team coordinator across environments, releases and structural technical projects.

### Development & production

- Development and maintenance of **PHP/Smarty**, JavaScript, HTML, CSS and MySQL applications for Canal+ across set-top boxes, web, smartphone and tablet.
- Application exposed to thousands of users in normal usage.
- Peaks reaching **several hundred thousand simultaneous users**, and **several million during major events**.
- Interfaces subject to strict performance, availability, accessibility and multi-language constraints.
- Compatibility with heterogeneous hardware, sometimes with very tight technical limitations.
- Development of key business features around programme navigation, recording and playback resume.

## Coordination & delivery

- Cross-team support role alongside the project manager: coordination with Product, QA/Validation, Infrastructure and management teams.
- Coordination of test and release phases: bug tracking, prioritisation of fixes, authoring of release notes.
- Orchestration of release-day steps and direct communication with Infrastructure and QA teams.
- Management of development and validation environments: dev environments, test servers, fleet of approximately 30 set-top boxes, platform reference tracking and environment availability.
- Supervised high-stakes releases on a distributed architecture of approximately **24 servers**: progressive deployments and monitoring follow-up.
- Testing phases, rollbacks and emergency hotfixes when needed.

## Technical projects & lead

- Led the migration from 32-bit to 64-bit servers: technical scoping, POC, application adaptations, test coordination, cross-team follow-up and production rollout.
- SVN to Git migration, with rapid ramp-up and team support on new versioning practices.
- Discovery and integration of APIs provided by various set-top boxes and internet boxes to adapt interfaces to the technical constraints of each environment.
- Regular collaboration with QA on test case authoring, bug tracking, fix prioritisation and release reliability.
- Monitoring of application and server health, preparation of weekly health reports and contribution to continuous improvement of production practices.
- Mentoring of new joiners on the legacy application, environments, release processes and coordination with external teams.

## COMPLEMENTARY EXPERIENCE

### **Joorney** (Florian Lefevre Consulting) Fullstack PHP/Symfony consultant

Aug 2020  
Full remote

Fullstack **PHP/Symfony** consultant for a short engagement at Joorney, with rapid onboarding to an existing business application and hands-on code contribution.

The objective was to deliver value quickly: bug fixes, technical audit, application improvements and functional evolutions.

Key skills: **PHP · Symfony · Full-Stack Development · Code Audit** ·

Rapid Onboarding · Autonomy · Maintainability · Problem Solving

*Environment : PHP, Symfony, HTML, CSS, Git, Jira, GNU/Linux*

- **PHP/Symfony** development on a business plan generation application.
- Audit of existing code and identification of technical improvement areas.
- Bug fixes and behavioural improvements.
- Delivery of functional evolutions within the existing scope.
- Contribution to maintainability improvement in a short, operational engagement context.

### **Scopea** (Florian Lefevre Consulting) Fullstack Odoo consultant

Oct 2017 — Apr 2021  
Toulouse

Fullstack consultant for Scopea on custom developments around the **Odoo** ERP, with rapid ramp-up on **Python** and the **Odoo** framework.

Fixed-price engagements, in a V-cycle context, covering varied client requests from bug fixes to full business module development.

Key skills: **Odoo · Python · Full-Stack Development** ·

HTML / CSS · Functional Analysis · Estimation · Fixed-Price Delivery · Autonomy ·

Rapid Onboarding

*Environment : Odoo, Python, HTML, CSS, GitHub, Docker, GNU/Linux*

- Quick onboarding on the **Odoo** ecosystem and **Python/HTML/CSS** development, on an initially unfamiliar stack.
- Development, improvement and maintenance of **Odoo** modules to adapt the ERP to specific business processes.

- Bug fixes, new pages, functional evolutions and full module development per client requirements.
- Participation in requirement gathering, technical solution definition, effort estimation and quote preparation.
- Fixed-price engagements, with full ownership of the assigned scope: design, development, QA, production delivery and follow-up.
- Working alone or in a pair with a Scopea developer, with rapid increase in autonomy on assigned topics.
- Proposing technical solutions to work around standard **Odoo** limitations when business requirements demanded it.
- Contribution to progressive deliveries when the scope required breakdown to secure deadlines or ease production rollout.

**LivingObjects** (Florian Lefevre Consulting)  
Angular expert consultant

Sept 2019 – Mar 2020  
Toulouse

**Angular** consultant on a network monitoring web application, focused on frontend development, **Angular** integration into a legacy foundation, code audit and team support.

This engagement built on previous experience on network monitoring products, with rapid onboarding to the application context and frontend challenges.

Key skills: **Angular** · **Code Review** · **TypeScript strict** · **Technical mentoring** ·  
ESLint · Highcharts · Data Visualization · Code Audit · Fast Onboarding

*Environment : Angular, TypeScript strict, HTML, CSS, Git, Redmine, Docker, GNU/Linux*

- Development and maintenance of **Angular** modules within an existing application.
- Integration of new **Angular** modules into a legacy foundation, with attention to consistency with existing code and maintainability.
- Code audit, code review and identification of improvement areas on problematic frontend topics.
- Technical mentoring of the team on **Angular** best practices, **TypeScript strict**, **ESLint**, development conventions and component structuring.
- Built dashboards with **Highcharts**, integrating charts, tables, advanced parameters and aggregated data output.
- Managed small frontend projects: effort estimation, specifications, development and delivery.

- Autonomous on assigned tickets, with regular collaboration with the backend team on cross-cutting topics.
- Contribution to developer experience improvement, bug reduction and progressive team upskilling.

**LiveAction** (Florian Lefevre Consulting)  
Senior developer and Angular frontend lead

Oct 2017 – Mar 2019  
Toulouse

Senior developer and frontend lead on a network monitoring web application, as part of a structural **AngularJS** to **Angular** migration.

The engagement consisted of modernising the frontend foundation, overhauling development practices and improving the maintainability of an application rich in dashboards, reports and data visualisation.

Key skills: **Angular** · **TypeScript strict** · **RxJS** · **Data Visualization** · **PDF Generation** · **ESLint** · **Highcharts** · **D3.js** · **Docker** · **Java**

**Impact:** major contribution to the **AngularJS** to **Angular** migration and standardisation of frontend practices on a complex network monitoring application.

*Environment : Angular, AngularJS, TypeScript strict, HTML, CSS, Java, Git (Gitlab), Trello, Jira, Docker, GNU/Linux, Nginx*

- Major contribution to the **AngularJS** → **Angular migration**, carried out on a substantial application with around fifteen modules, fifty pages and several hundred components.
- Introduction of **TypeScript strict**, **ESLint** and **Angular/RxJS** conventions to strengthen type safety, reduce errors and improve code readability.
- Development and maintenance of customisable dashboards with **Highcharts** and **D3.js**, integrating charts, tables, advanced parameters and aggregated data output.
- Contribution to customisable PDF report design and print modules, with accurate rendering constraints between web usage and export.
- Work on data-rich interfaces, with attention to display performance, visualisation relevance and user experience.
- Frontend lead role within the team: systematic code reviews, best practice sharing, support on **Angular**, **RxJS** and **TypeScript strict**.
- Set up **Docker** to simplify the development environment.
- Occasional **Java** development to reinforce the backend team on cross-cutting topics.

- Working in an agile environment, with strong autonomy on assigned tickets and regular collaboration with the backend team.

**LivingObjects** (Ausy)  
AngularJS frontend developer

Oct 2015 — Oct 2017  
Toulouse

Frontend developer on a network monitoring web application in **AngularJS**, used by several hundred users, with strong constraints around data visualisation, performance and output as customisable dashboards and reports.

Key skills: **AngularJS** · **Data Visualization** · **Highcharts** ·

JavaScript · HTML · CSS · Dashboard Development · PDF Generation · Autonomy · Fast Learning

*Environment : AngularJS, TypeScript, HTML, CSS, Trello, Git (Gitlab), Redmine, Jira, GNU/Linux, Nginx*

- Development and maintenance of an **AngularJS** application within an experienced frontend team.
- Built customisable dashboards integrating **Highcharts** charts, tables and advanced configuration forms.
- Built the schedulable PDF report design module, with accurate rendering constraints between web usage and export.
- Development of frontend features on complex aggregated data, seeking the most appropriate visualisation format for each use case.
- Work on data-rich interfaces, with attention to display performance, visualisation relevance and user experience.
- Handled small topics autonomously: requirement analysis, estimation, specification, development and delivery.
- Regular collaboration with the backend team on cross-cutting topics and data exchanges needed for visualisations.
- Rapid onboarding on **AngularJS**, unit testing, frontend best practices and maintainable development principles in a demanding environment.

## INTERNSHIPS & EARLY POSITIONS

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### INRIA

May 2011 — Oct 2011

SOA / IoT research intern

Lille

Six-month intern within the ADAM team at INRIA, on the topic *Bridging Software-Oriented Architecture with the Internet of Things*, focused on modelling CBRN crisis procedures using a SOA/SCA approach and BPEL orchestration.

Key skills: **Research** · **SOA** · **BPEL** · Prototyping · IoT · NRBC

- Work split between research, modelling and technical prototyping in several languages.
- Analysis of crisis procedures and modelling of a system where each component represented an actor or entity involved in emergency management.
- Use of **SCA** to structure components and **BPEL** to orchestrate interactions between actors.
- Wrote a detailed internship report: state of the art, architecture, crisis processes and experimentation findings.

### EADS Cassidian

Jun 2010 — Oct 2010

Java/J2EE engineering intern

Colomiers

Engineering intern at EADS Cassidian, working on the design and development of a **Java/J2EE** web documentation platform.

Key skills: **Java** · **J2EE** · **Technical Documentation** ·

HTML/CSS · jQuery · Software Design · Database Modeling · Architecture Diagrams

- Application development in **Java/J2EE**, HTML, CSS and jQuery.
- Participation in application design and feature structuring.
- Production of the internship report, architecture diagrams, database diagrams and technical documentation.

### Junior enterprise EISTI

2008

Web developer

Pau

Web developer on client projects carried out through the EISTI Junior Enterprise, building client sites in **PHP**, HTML, CSS, vanilla JavaScript and jQuery.

Key skills: **PHP** · **Web Development** · **HTML/CSS** · jQuery · Website Development

- Developed a website in **PHP** for a travel agency.
- Developed a showcase site for a glazing company, in **PHP**, HTML, CSS and jQuery.
- First client experience: web integration, adapting to requirements and delivering simple sites.

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## EDUCATION

- **2011** - Engineering degree in Mathematics and Computer Science, EISTI, École Internationale des Sciences du Traitement de l'Information, Pau.
- **2009** - Bachelor's degree in Mathematics and Computer Science, University of Cergy-Pontoise, in partnership with EISTI.
- **2007** - Intensive English language course, Alpha College of English, Dublin, Ireland.
- **2006** - Scientific Baccalaureate, engineering sciences option, mathematics specialisation, honours (mention AB), Lycée International de Colomiers.

## PERSONAL PROJECTS & EXPERIMENTS

### Homelab

Set up an experimental homelab to test architectures, automate deployments and host personal services with an Infrastructure as Code approach.

*Environment: Proxmox, Terraform, Ansible, GNU/Linux.*

### AI tooling

Experiments with AI agents and **Claude Code** / **GitHub Copilot** workflows for writing assistance, code review and technical task automation.

*Environment: Claude, ChatGPT, Github Copilot.*

### Slow-motion film editing application

Volunteer frontend development (**Vue.js**) for a slow-motion film creation application.

*Environment: **Vue.js**, HTML, CSS, **GitHub**, Docker, GNU/Linux.*

### Wedding website

Built a site with authentication, attendance form and data extraction scripts to Google Sheets.

*Environment: React, **Node.js**, HTML, CSS, Git, Docker, **AWS**, **Firebase**, GNU/Linux.*

## ADDITIONAL INFORMATION

- Professional English, TOEIC 780, experience in international teams.
- Motorcycle (A) and car (B) licences, personal vehicles.

 **INTERESTS**

- Community involvement: treasurer and active member of the Air-EISTI association for 4 years.
- Scuba diving, level 2.
- Squash