

Emilien Escalle

Fractional
Hands-On CTO &
Senior Lead
Developer | Lean &
DevX Expert |
Node.js, PHP &
Cloud-Native



Lean Startup

Software architecture

Cloud native applications

Node.js

PHP



Malt



LinkedIn



GitHub



Site

EXPERIENCES

Fractional Hands-On CTO & Senior Lead Developer | Lean & DevX Expert | Node.js, PHP & Cloud-Native Escemi - Since September 2019



- At your service to support and take on the challenges of your digital projects:
- Technical Advisory, Leadership & Mentoring: Personalized guidance through code reviews, strategic pair programming, and technical coaching—raising team expertise while ensuring quality and effective knowledge transfer.
- • Architecture & development standards: Establish fit-for-purpose technical frameworks and architectural blueprints grounded in proven methodologies (TDD, SOLID, Clean Code & Clean Architecture) to reduce technical debt and evolve in line with organizational needs.
- Enterprise Application Architecture & Development: Design and implement scalable systems using modern API approaches (REST, GraphQL, gRPC) and advanced architectural patterns that meet demanding technical and growth requirements.
- • Application development: Build production-grade applications with comprehensive automated testing and robust CI/CD processes.
- CI/CD Pipelines & Developer Workflow Optimization: Deploy optimized pipelines (GitHub Actions, GitLab CI/CD, Jenkins) that automate quality gates and streamline deployments for faster, more reliable delivery.
- • Workflow improvements: Optimize local dev environments and advanced IDE configurations to reduce friction and maximize productivity.
- Cloud-Native Transformation (application-centric): Drive modernization toward high-performance cloud-native architectures enabling rapid iteration and straightforward scaling.
- • Toolchain integration: Establish integrated build-test-deploy ecosystems that lower developer cognitive load and keep teams focused on delivering value.

Co-organizer & Speaker — Cloud Native Aix-Marseille Meetup



Cloud Native Aix-Marseille - Since October 2022

- Co-organize and speak at the Cloud Native Aix-Marseille meetup to promote cloud-native technologies in the region.
- In collaboration with the CNCF community, run innovative events and lead technical sessions sharing best practices, technologies, and tools across the Cloud & DevOps ecosystem.
- This role helps me stay ahead of technological trends, foster knowledge exchange among professionals, and strengthen the local network around cloud-native solutions.

Fractional Hands-On CTO & Senior Lead Developer | Lean & DevX Expert | Node.js, PHP & Cloud-Native build and run FR - Since February 2020



- As a member of the Build & Run collective, I leverage my expertise as a CTO and Senior Lead Developer to help companies structure, optimize, and scale their tech teams. My role includes:
- Architecture & Scalability – Implementing robust, scalable solutions aligned with business needs and best practices (Clean Code, Clean Architecture, SOLID).? DevOps & Automation – Enhancing CI/CD workflows, optimizing Kubernetes deployments, and cloud infrastructures.
- Developer Experience (DEVx) – Establishing tools and processes to maximize developer productivity and well-being.? Coaching & Mentoring – Supporting teams in upskilling and adopting modern, efficient development practices.
- Product & Delivery – Aligning technical objectives with business goals to maximize impact.

Fractional CTO and Senior Lead Developer with 16+ years in technology delivering Lean, impactful solutions that drive digital transformation.

I architect scalable, maintainable, enterprise-grade applications using SOLID principles, Clean Code, and Clean Architecture across Node.js, PHP, and cloud-native ecosystems, while implementing DevOps best practices—with a strong emphasis on CI/CD—that eliminate bottlenecks and ensure operational reliability.

Combining strategic vision with hands-on execution, I transform complex challenges into successful solutions with measurable business outcomes.

My methodology optimizes Developer Experience and team dynamics, driving sustainable growth through enhanced delivery performance and reduced technical debt.

37 years old
Driving License
📍 aix en provence (13100)
France

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- ▶ With Build & Run, I am part of a collective of experts who share the same vision: combining technical excellence with pragmatism to build sustainable solutions.

Industry Lecturer

Aix-Marseille Université - Since January 2019



- ▶ Teaching objectives:
 - ▶ • Introduce and explain software architecture models with a strong focus on the web context.
 - ▶ • Explore implementations of these models and justify their use based on requirements.
 - ▶ • Apply various architecture types in a hands-on, real-world case study.

Chief Technical Officer (Co-founder)

Ouistiti - September 2018 to September 2019



- ▶ Built a tailored travel inspiration & recommendation product across mobile and web.
 - ▶ • Architecture & Tech: JAMStack / Serverless / AWS
 - ▶ • Product roadmap, backlog & user stories; development & testing
 - ▶ • User feedback, focus groups, data analysis, UX/UI improvements
 - ▶ • Product growth, SEA, Facebook Ads, CRM & Emailing, Content & SEO

CTO / Director of Technology



Qwamplify Activation, QWAMPLIFY Group - May 2017 to August 2018

- ▶ Deliver the IT Master Plan, design its architecture, and ensure cohesive urbanization.
- ▶ Gather and analyze business requirements from company stakeholders.
- ▶ Evaluate and recommend IT investments aligned with needs, efficiency, and risk control.
- ▶ Guarantee the technical coordination of developments across all layers: UI, business services, persistence, and integrations.
- ▶ Define standards and ensure coherence across deliverables. Set best practices and enforce them.
- ▶ Maintain a continuous technology and legal watch; propose new usages to create competitive advantage.
- ▶ Set up Proofs of Concept to assess and validate new technical solutions.
- ▶ Guarantee continuity of IT and telecom services for users.
- ▶ Lead SI evolution plans within approved budgets and aligned with technology decisions from the Executive Committee.
- ▶ Provide technical expertise and support Development and QA teams as needed.
- ▶ Run steering and validation meetings in coordination with project managers and business stakeholders.
- ▶ Define industrialization principles via tools and automated quality and delivery processes.
- ▶ Supervise and coordinate the work of development, operations, and test teams with AMOA and Infra/Network.
- ▶ Validate key component and service development requests from teams.

Enterprise Architect (SOA)

Custom Solutions - February 2015 to May 2017



- ▶ Study and design of service-oriented application architecture:
 - ▶ • Requirements analysis with AMOA & Marketing teams.
 - ▶ • Technology proposals informed by continuous research:
 - ▶ – Microservices / SOA

- – Big Data: Elasticsearch, Logstash, MongoDB
- • Ensure consistency and interoperability of developed components within the IS ecosystem.
- Industrialize the development and delivery lifecycle:
 - • Unified dev environment:
 - – Languages: PHP, Twig, JavaScript, Bash
 - – Frameworks: Zend Framework 2, Doctrine 2, jQuery
 - – Tools: NetBeans IDE, Git & Git Flow
 - • Define and write development standards (PSR, W3C).
 - • Code reviews, coding dojos.
 - • Continuous Integration:
 - – Source control hooks (Git hooks)
 - – Unit & functional testing (PHPUnit, Selenium)
 - • Automated and secure deployments using automated procedures (Phing).
- Lead the dedicated “Product/ERP” development team:
 - • Technical guidance & project leadership (Scrum & Kanban).
 - • Team management & growth.

Team Lead

Custom Solutions - September 2013 to February 2015



- Led development team activity within an Agile organization:
 - • Team management and facilitation.
 - • Reporting and quality control.
- Process optimization for operations and production:
 - • Performance solutions.
 - • Application architecture.

Application Systems Manager

Logicielnet - September 2010 to September 2013



- Owned the evolution of the company's core modular SaaS application suite.
- Delivered structural and functional enhancements aligned with innovation opportunities and client needs.
- End-to-end project follow-up from specifications through team leadership to client acceptance.

R&D Engineer

Logicielnet - September 2009 to September 2010



Designed a Web Callback (click-to-call) module to improve customer relationships for users of the company's application suite.

R&D Developer

Multiwizz - April 2009 to August 2009



- Contributed to a social platform built on Zend Framework.
- Developed both frontend, backend, and the application API.
- Applied Agile project management concepts: SCRUM.
- Built the company's iPhone application.



SKILLS

Management

- Developer experience (DevEx)



- Change management ★★★★★☆
- Organization / Performance evaluation & management ★★★★★☆
- Kaizen ★★★★★☆

Project Management

- Lean Management ★★★★★☆
- Agile ★★★★★☆
- Kanban ★★★★★☆
- Scrum ★★★★★☆

IT

- Node.js ★★★★★★
- JavaScript ★★★★★★
- Typescript ★★★★★★
- NestJS ★★★★★★
- React ★★★★★☆
- PHP ★★★★★★
- Symfony ★★★★★★
- Zend Framework / Laminas ★★★★★★
- Git ★★★★★★
- Bash ★★★★★☆
- Docker ★★★★★★
- Kubernetes ★★★★★☆
- GitHub Actions ★★★★★★
- GitLab CI/CD ★★★★★★
- Jenkins ★★★★★☆
- MongoDB ★★★★★☆
- RabbitMQ ★★★★★☆
- Elasticsearch ★★★★★☆



LANGUAGES



French ★★★★★★
Current (Native language)



English ★★★★★★
Professional (works with international teams)



German ★★★★★☆
Academic (two years of postsecondary education)



EDUCATION

MIAGE Master's Degree (M2)

Aix-Marseille III University — Paul Cézanne

September 2007 to September 2010

The MIAGE degree provides dual expertise in IT and management, offering a wide range of career opportunities.

Some of the careers available include: software development engineer, software architect, application manager, decision-making project manager, database administrator, management controller, IT quality manager, and in the longer term, project manager, IT director, etc.

DUT GEA

IUT GEA Gap

January 2005 to January 2007

The DUT in Business and Administration Management (GEA) prepares students for careers in management. This program allows students to either enter the workforce directly or continue their studies in higher education.

INTERESTS

Culture

- Electronic Music
- Urban Arts
- Gastronomy & Wine Tasting

Sports

- Skiing
- Mountain biking