



ON-DEMAND CTO & DEVX EXPERT

# Emilien Escalle

I combine technical coaching, DevX excellence, and cloud-native modernization to transform product quality and velocity while keeping teams autonomous and accountable.

- 📍 Aix-en-Provence, Provence-Alpes-Côte d'Azur 🔗 [www.escemi.com](http://www.escemi.com)
- 🔗 LinkedIn · [www.linkedin.com/in/emilienescalle](https://www.linkedin.com/in/emilienescalle) ↳ GitHub · [github.com/neilime](https://github.com/neilime)
- 🔗 Collective · [app.collective.work/collective/emilien-escalle](https://app.collective.work/collective/emilien-escalle) ↳ Malt · [www.malt.fr/profile/emilienescalle](https://www.malt.fr/profile/emilienescalle)

**SKILLS**

**Methods & Leadership**  
Technical coaching · DevX · Clean Code · Design Systems · Mentoring  
15+ teams · Lean · Agile · Product velocity

**Core Tech**  
Node.js (NestJS) ••••• PHP (Symfony, Laravel) •••••  
TypeScript / JavaScript ••••• · Clean Architecture · SOLID · TDD

**DevOps & Cloud**  
GitHub Actions · GitLab CI · Docker · AWS · Observability · OpenTelemetry

**LANGUAGES**

French	Native
English	Professional working proficiency

**EDUCATION**

SEP 2007 – JUN 2010  
**Master 2 · MIAGE (Computer Methods Applied to Business Management)**  
Université Aix-Marseille III Paul Cézanne

SEP 2005 – JUN 2007  
**DUT · GEA (Business and Administration Management)**  
IUT GEA Gap

**CERTIFICATIONS**

► IMPACT MISSIONS

**ESCEMI - STRATEGIC TECHNICAL PARTNER** WWW.ESCEMI.COM

**On-Demand CTO & Senior Lead Developer**

Sep 2019 – Present Aix-en-Provence, France

Independent strategic partner for SMEs and scale-ups that need industrialized delivery without a permanent CTO. I architect SOLID-centric platforms, tailor CI/CD and observability stacks, and embed coaching so mixed-seniority teams become autonomous.

- Challenge: ambitious product roadmaps executed by under-structured mixed-seniority teams
- Actions: engineered SOLID-centric API platforms, client-specific CI/CD + IaC stacks, FinOps reviews, and immersive coaching
- Results: **90%** automated quality gates, <30 min deployments, **€80-150K** /year savings, squads ready for 10x traffic

**OUISTITI - CO-FOUNDER & CTO**

**Chief Technical Officer**

Sep 2018 – Sep 2019 Aix-en-Provence, France

Co-founded Ouistiti to launch a zero-debt travel inspiration platform, owning product engineering from concept to growth. Delivered a JAMStack/serverless stack on AWS, orchestrated continuous UX loops, and instrumented the growth engine with SEA, CRM, and analytics.

- Challenge: launch a zero-debt travel inspiration MVP under 3 months with aggressive acquisition goals
- Actions: delivered JAMStack/serverless stack on AWS, rapid UX experimentation, data-driven CRM/SEA funnels, and product ops dashboards
- Results: MVP shipped in 12 weeks, <500 ms loads, **5K** MAU in 6 months, **+40%** engagement, **300+** sign-ups/week at **€2.50** CPA





QWAMPLIFY GROUP - TECHNICAL DIRECTOR & IS ARCHITECT

WWW.QWAMPLIFY.COM

## Technical Director & IS Architect

Sep 2013 – Aug 2018

Rousset, France

Led the 3-year modernization program for Qwamplify, consolidating 8 business units, taming a legacy PHP estate, and sustaining high-volume marketing campaigns. Owned the IT master plan, architecture standards, and delivery governance for a 25-person engineering org.

- Challenge: fragmented legacy PHP stack blocking consolidation of 8 business units and rapid campaign launches
- Actions: ran 3-year IT master plan, introduced SOA/microservices and standardized environments, enforced CI/CD + observability governance
- Results: release cycle cut **4w → 1w**, production defects **-55%**, sprint reliability **85%**, **€200K** /year maintenance savings

KEY PROJECTS

### Air Corsica - DevX Platform Engineering

JAN 2023 – DEC 2024 · CONSULTING

Modernized developer experience and transactional security for airline booking platform through GitHub Actions CI/CD ecosystem, hands-on mentoring, and resilient NestJS/RabbitMQ proxy architecture.

- Reduced deployment time by **80%** (from ~2 days manual work to <30 minutes fully automated) via reusable GitHub Actions workflows with canary deployments and automated rollbacks
- Increased release frequency 5x (from monthly to weekly feature releases) through infrastructure-as-code (Terraform + ArgoCD) ensuring staging/production parity
- Improved transaction reliability to **99.9%** uptime with **90%** fewer third-party failures by architecting NestJS proxy with RabbitMQ, implementing circuit breakers, retry policies, and idempotency guarantees

DevX Lead

Platform Engineer

Technical Mentor

### Critical Infrastructure IoT Gateway Platform

Global Smart Infrastructure SaaS Provider

JAN 2023 – AUG 2024 · CONSULTING

High-performance IoT gateway for global smart infrastructure SaaS provider, unifying heterogeneous device integration across data centers and smart buildings with Redis-backed resilience, automated CI/CD, and OpenTelemetry observability.

- Achieved **99.99%** production uptime by implementing Redis caching, edge queueing, and automatic retry strategies with exponential backoff
- Reduced data loss incidents by **85%** through resilient fallback mechanisms that buffer messages during SaaS platform outages
- Accelerated new device onboarding by **81%** (from **3 weeks to 4 days**) via centralized decoders, schema-based validation, and normalized payload pipeline

IoT Platform Architect

Lead Developer

Node.js

TypeScript

Nest JS

Redis

OpenTelemetry

OpenAPI

**TestUnMetier - CTO****Accompaniment**

TestUnMetier

CTO Consultant

Strategic Advisor

NOV 2021 – MAY 2022 · CONSULTING

Two-phase strategic consulting engagement for a career guidance platform: comprehensive IT audit followed by monthly CTO accompaniment covering product roadmap, technical recruitment, and infrastructure/security vendor management.

- Conducted 1-week IT audit analyzing application architecture, development processes, and team organization, identifying 12 priority improvement areas that reduced technical risk by **60%**
- Structured interviews with 8 stakeholders (product, project, tech leads) to map system dependencies and bottlenecks, reducing feature delivery timelines by **~40%**
- Developed 5 technical job descriptions aligned with product strategy, accelerating recruitment process from **3 months to 6 weeks** and improving candidate-role fit by **45%**

CTO Accompaniment

IT Audit

Technical Strategy

Roadmap Planning

Team Building

Vendor Management

[www.testunmetier.com](http://www.testunmetier.com)**Atlas des Régions****Naturelles (ARN) -****Backend Architecture**

Atlas des Régions Naturelles

Backend Architect

Lead Developer

JUN 2022 – DEC 2023 · CONSULTING

Designed and developed backend architecture for the ARN photographic archive platform, documenting 15,000+ images of French landscapes and buildings

**Tekkare - Technical****Mentoring &****Architectural Bootstrap**

Tekkare

Technical Mentor

Backend Architect

APR 2022 – JUN 2022 · CONSULTING

Hands-on mentorship of development team for technical services management platform, accelerating their skill growth in GraphQL/modern backend API architecture and optimizing development practices.

- Reduced new feature development time by **40%** through optimized GraphQL architecture with NestJS, replacing multiple REST endpoints with unified, type-safe queries
- Accelerated new developer onboarding from ~2 weeks to ~5 days via living architectural documentation, reusable patterns, and annotated code examples
- Improved code maintainability by **50%** by implementing Clean Architecture and SOLID principles with clear layer separation (domain, application, infrastructure)

GraphQL

Nest JS

Node.js

PostgreSQL

ORM

TypeScript

[tekkare.com](http://tekkare.com)**Atlas des Régions****Naturelles (ARN) -****Backend Architecture****Tekoway / Eukles -****Architecture****Standardization**

Technical Mentor

Architecture Lead

Tekoway / Eukles

JAN 2020 – JAN 2023 · CONSULTING

3-year strategic technical mentorship across European development teams, standardizing architecture and boosting delivery efficiency for

through an optimized NestJS/Laravel stack focused on performance and scalability.

- Architected photo archive platform managing **15,000+** high-resolution images with multi-criteria filtering (region, typology, materials, period), ensuring < **300m** s response time and **99.9%** uptime
- Implemented hybrid categorization system with full-text indexing handling **10,000+** daily search queries with geographic, thematic, and historical navigation
- Optimized image processing pipeline reducing upload and thumbnail generation time by **60%** (from ~ **5m** in to ~ **2m** in per batch of 50 images) through parallelization and smart compression

Nest JS

Laravel

Backend Architecture

REST API

GraphQL

Image Processing

[www.archive-arn.fr](http://www.archive-arn.fr)

PHP/Symfony and Node.js/NestJS projects before and after Tekoway's integration into Eukles.

- Reduced project bootstrap time by **45%** (from ~10 to ~5.5 days) through shared architecture blueprints applying Clean Architecture and SOLID principles across Symfony and NestJS stacks
- Accelerated developer onboarding x2 faster (from ~3 weeks to 1.5 weeks) via unified project templates, automated setup scripts, and common tooling across European locations
- Cut post-release bug rate by **30%** after implementing standardized QA workflows and cross-country DevOps pipelines using Docker, GitLab CI, and ArgoCD

PHP

Symfony

Node.js

Nest JS

Clean Architecture

DevOps

[www.tekoway.com](http://www.tekoway.com)

## COMMUNITY LEADERSHIP

### Cloud Native Aix-Marseille

Oct 2022 – Present

Co-organizer & Speaker

Promoting cloud-native technologies in the Aix-Marseille region in collaboration with the CNCF community.

- Co-organized **8+** Cloud Native meetups and events attracting **300+** professionals, growing community from 50 to **400+** members in 2 years
- Delivered 6 technical talks on Kubernetes, GitOps, and DevOps practices, receiving 4.5★ average rating from attendees

[www.cloudnative.aixmarseille.tech](http://www.cloudnative.aixmarseille.tech)

### Aix-Marseille Université

Jan 2019 – Present

Professional instructor

Teaching software architectures and web development best practices.

- Taught software architecture course to **60+** Master's students annually, covering practical applications of Clean Architecture, SOLID, and design patterns
- Developed hands-on curriculum with **10+** real-world case studies, achieving **90%** student satisfaction rating and **85%** pass rate

[www.univ-amu.fr](http://www.univ-amu.fr)