



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
- 🔗 LinkedIn · www.linkedin.com/in/emilienescalle ↳ GitHub · github.com/neilime
- 🔗 Collective · app.collective.work/collective/emilien-escalle ↳ Malt · 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

Air Corsica

DevX Lead

Platform Engineer

Technical Mentor

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

Critical Infrastructure IoT Gateway Platform

Global Smart Infrastructure SaaS Provider

IoT Platform Architect

Lead Developer

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

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**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**Tekoway / Eukles -****Architecture****Standardization**

Tekoway / Eukles

Technical Mentor

Architecture Lead

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

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

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

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