Emilien Escalle

Fractional CTO who translates business objectives into executable technical strategy, delivering measurable ROI through engineering transformation, team scalability, and platform modernization.

I partner with boards and executive teams to build technology organizations that drive competitive advantage-combining strategic vision with hands-on execution to reduce time-to-market, optimize costs, and scale engineering capacity.

Proven track record turning technical debt into business assets: €200K-500K annual savings, 5x release velocity improvements, and engineering teams that deliver predictably at scale.

📍 **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

🧠 Strategic Leadership

Technology Strategy & Roadmapping • Engineering Team Building & Scaling • Digital Transformation & Change Management • Technical Due Diligence & Architecture Governance

🎯 Core Tech

Node.js (NestJS) • PHP (Symfony, Laravel) • TypeScript / JavaScript • Clean Architecture · DDD · TDD

☁ DevOps & Cloud

GitHub Actions · GitLab CI • Docker · AWS • Observability · OpenTelemetry

🌐 LANGUAGES

🇫🇷 **French** — Native

🇬🇧 **English** — Full Professional

🎓 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

LFC102: Inclusive Open Source Community Orientation
The Linux Foundation · 2024

▷ PROFESSIONAL EXPERIENCE

ESCEMI - STRATEGIC TECHNICAL PARTNER

WWW.ESCEMI.COM

Fractional CTO & Strategic Technology Advisor

[Sep 2019 – Present] [Aix-en-Provence, France]

Strategic technology partner for SMEs and scale-ups requiring executive-level technical leadership without full-time commitment. I align technology investments with business objectives, build scalable engineering organizations, and drive platform modernization that delivers measurable ROI.

- Challenge: Board-level need for technical strategy, platform scalability, and engineering efficiency to support 3-5x revenue growth without proportional headcount increase
- Actions: Development of 12-24 month technology roadmaps aligned to business KPIs, establishment of engineering governance frameworks, execution of cloud migration strategies, and buildout of autonomous cross-functional teams
- Results: Delivered **€80-150K** annual cost optimization per client, enabled 10x traffic scale without infrastructure redesign, reduced time-to-market by **60%**, and established predictable delivery cadence supporting board-level planning

OUISTITI - CO-FOUNDER & CTO

Co-Founder & Chief Technology Officer

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

Co-founded and served as CTO for Ouistiti, a bootstrapped travel inspiration platform. Owned complete technology strategy, product engineering, and growth infrastructure-translating founder vision into scalable technical execution while managing zero-debt constraint and aggressive user acquisition targets.

- Challenge: Board mandate to launch market-validated MVP within 3 months and achieve **5K** MAU in 6 months, all while maintaining capital efficiency (zero external funding) and sub-**€3** customer acquisition cost
- Actions: Architected serverless-first technology stack optimizing for speed and cost efficiency, established lean product development methodology integrating continuous user feedback, built data-driven growth engine combining SEA, CRM automation, and real-time analytics, and managed technical vendor relationships and infrastructure budget
- Results: Delivered MVP in 12 weeks (on schedule), achieved **5K** MAU milestone 6 months post-launch, maintained **€2.50** CPA (**17%** under target), grew to **300+** weekly sign-ups with **+40%** engagement improvement, and built scalable infrastructure supporting 10x growth trajectory-all while staying within bootstrap budget constraints

QWAMPLIFY GROUP - TECHNICAL DIRECTOR & IS ARCHITECT

Technical Director & Head of Engineering

Sep 2013 – Aug 2018   Rousset, France

Led enterprise-wide technology transformation for Qwamplify Group, serving as de facto CTO during critical growth phase. Directed 25-person engineering organization through 3-year modernization program enabling M&A consolidation of 8 business units while maintaining operational continuity for high-volume marketing campaigns.

- Challenge: Executive mandate to enable business unit consolidation post-acquisition while reducing technical operating costs and accelerating product velocity-all within fragmented legacy infrastructure threatening business continuity
- Actions: Developed and executed 3-year IT transformation roadmap presented to board quarterly, architected enterprise service-oriented architecture enabling business unit integration, established engineering governance including hiring, budget management (**€2M**+ annual tech spend), and vendor strategy, and built DevOps culture and CICD infrastructure across distributed teams

LOGICIELNET

Engineering Manager & Product Development Lead

Sep 2010 – Sep 2013   Aix-en-Provence, Provence-Alpes-Côte d'Azur, France · On-site

Led product engineering and technical roadmap for company's flagship SaaS platform. Balanced competing stakeholder demands (sales, clients, technical debt) while maintaining aggressive release cadence. Managed cross-functional development team and established quality standards that scaled the product.

- Challenge: Leadership mandate to accelerate feature delivery for competitive differentiation while managing technical debt accumulation and maintaining SaaS reliability for revenue-generating customer base
- Actions: Established quarterly roadmap planning process balancing innovation and stability, built and led cross-functional development team with engineering standards and code review discipline, and implemented technical governance framework preventing architectural drift

LOGICIELNET

R&D Engineer (Apprenticeship)

Sep 2009 – Sep 2010   Aix-en-Provence, Provence-Alpes-Côte d'Azur, France · On-site

Engineered customer engagement innovation for SaaS platform, delivering Web Callback functionality that improved customer service efficiency. Early demonstration of ability to translate business needs into technical solutions with measurable impact.

- Challenge: Product leadership directive to reduce customer response time and improve service quality through instant-callback capability integrated into existing SaaS infrastructure

- Actions: Architected and delivered click-to-call module integrating VoIP providers, designed reusable component system for platform-wide deployment, and created rollout documentation enabling non-technical staff deployment

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🚀 **KEY PROJECTS**

Air Corsica - DevX Platform Engineering

DevX Lead

Platform Engineer

Technical Mentor

Air Corsica

JAN 2023 – PRESENT · 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.

- Reduction of 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
- Increase in release frequency by 5x (from monthly to weekly feature releases) through implementation of Cloud Native principles, ensuring staging/production parity

DevX · GitHub Actions · CI/CD · NestJS · RabbitMQ · Clean Architecture

www.youtube.com/watch?v=Xb8PKOdTilA

Critical Infrastructure IoT Gateway Platform

IoT Platform Architect

Lead Developer

Global Smart Infrastructure SaaS Provider

APR 2025 – JUL 2025 · 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.

- Achievement of **99.99%** production uptime by implementing Redis caching, edge queueing, and automatic retry strategies with exponential backoff
- Reduction of data loss incidents by **85%** through resilient fallback mechanisms that buffer messages during SaaS platform outages

Node.js · TypeScript · NestJS · Redis · OpenTelemetry · OpenAPI

TestUnMetier - CTO Accompaniment

CTO Consultant

Strategic Advisor

TestUnMetier

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.

- Conduction of 1-week IT audit analyzing application architecture, development processes, and team organization, identifying 12 priority improvement areas that reduced technical risk by **60%**
- Structuring of interviews with 8 stakeholders (product, project, tech leads) to map system dependencies and bottlenecks, reducing feature delivery timelines by **~40%**

CTO Accompaniment · IT Audit · Technical Strategy · Roadmap Planning · Team Building · Vendor Management

www.testunmetier.com

Tekkare - Technical Mentoring & Architectural Bootstrap

Technical Mentor

Backend Architect

Tekkare

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.

- Reduction of new feature development time by **40%** through optimized GraphQL architecture with NestJS, replacing multiple REST endpoints with unified, type-safe queries
- Acceleration of new developer onboarding from ~2 weeks to ~5 days via living architectural documentation, reusable patterns, and annotated code examples

GraphQL · NestJS · Node.js · PostgreSQL · ORM · TypeScript

tekkare.com

🚀 KEY PROJECTS (2)

Atlas des Régions Naturelles (ARN) - Backend Architecture

Backend Architect

Lead Developer

Atlas des Régions Naturelles

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

- Architecting of 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
- Implementation of hybrid categorization system with full-text indexing handling **10,000+** daily search queries with geographic, thematic, and historical navigation

NestJS   Laravel   Backend Architecture

REST API   GraphQL   Image Processing

www.archive-arn.fr

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

- Reduction of 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
- Acceleration of developer onboarding x2 faster (from ~3 weeks to 1.5 weeks) via unified project templates, automated setup scripts, and common tooling across European locations

PHP   Symfony   Node.js   NestJS

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 with 60+ meetups animated for 1,200+ members alongside the CNCF community.

- Co-organization of **60+** Cloud Native meetups (61 past events) uniting **1,200+** registered members across the Aix/Marseille tech scene
- Delivery of 6 technical talks on Kubernetes, GitOps, and DevOps practices while sustaining a 4.8★ score based on 250 Meetup reviews

www.cloudnative.aixmarseille.tech

Aix-Marseille Université

Jan 2019 – Present

Professional instructor

Teaching software architectures and web development best practices.

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

www.univ-amu.fr