



Quentin Delcourt

Software Architect & Technical Lead

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Summary

Software architect and tech lead with 20+ years of experience in the web applications field. Mentored dozens of developers over the last 10 years. Specialized in modernization and scaling of legacy applications.

Expertise

- Modernization of legacy applications without downtime
- Systems scaling using cloud infrastructure services
- Analysis and design decisions, weighing of trade-offs
- Technical writing: RFCs, Architecture Decision Records, guidelines, tech talks
- Refactoring backed by automated testing to reduce technical debt

Technical skills

- Proficient in PHP, JavaScript, SQL, HTML and CSS
- TDD (PHPUnit, Jest, Vitest)
- Git
- Currently exploring: TypeScript
- Docker, Kubernetes
- Amazon Web Services (AWS) stack: S3, RDS, SQS, SNS, Lambda, IAM, EKS
- RabbitMQ
- Laravel, Vue.js (2/3), Symfony
- MySQL, Redis, SQLite
- REST API
- Microservices
- Continuous Integration / Continuous Delivery (CI/CD)
- Agentic coding

Work experience

Tech Lead, Core Team — Optimy — January 2025 - Present

www.optimy.com

- Tech Lead of a team of 7 software developers, focused on modernizing and simplifying the codebases of the Optimy system.
- Migrating to modern frameworks, updating PHP versions, adding automatic testing to increase the test coverage and increase confidence in the system.

- Migrated a 10-year-old PHP framework-less application to Laravel, in order to prepare it for a PHP 7.4 to 8.5 upgrade.

Lead Software Engineer, Architecture — Optimy — January 2022 - December 2024

- Collaborated with the CTO and another senior developer to define and implement core architectural changes across the Optimy platform, establishing a roadmap and standards that delivered measurable improvements.
- Migrated 12 microservices from RabbitMQ to SQS in one month with zero regression.
- Redesigned a chart rendering microservice subsystem to make it 4 times faster (reduced network latency, leveraged SQS fair queues, allowed chunks to be assembled in no particular order).
- Implemented automated backup rotations and database anonymization using Lambdas.

Lead Software Engineer, IT Ops team — Optimy — January 2020 - December 2021

- Technical referent for 20 developers.
- Wrote coding guidelines, tutorials and recorded tech talks to level up the team.
- Trained them on Docker, Kubernetes, AWS Services as well as GoCD.
- Increased the robustness of the whole system and reduced the frequency of outages.
- Assisted the CTO to prepare the organisation for an ISO 27001 security audit.

Senior Software Developer — Optimy — January 2019 - December 2019

- Helped to migrate a huge legacy application from a jQuery powered frontend to a Vue.js 2 powered frontend.
- Wired the legacy application with a newer system using RabbitMQ and a REST API.

Backend developer — Base Design — March 2017 - December 2018

www.basedesign.com

Analysis, development and maintenance of multiple [Craft CMS](#) powered websites (Fondation Cartier, Maison Dandoy, Institut Français de la Mode).

Co-founder — Tcheu! — November 2014 - February 2017

Co-founded a team with 3 associates at the end of 2014 in order to build several web applications and responsive websites (worked for Caritas, GOPA, Hospital Saint-Jean).

Web developer — Eyecone — March 2012 - October 2014

www.eyecone.com

Developer on the Blastmedia SaaS; built the TV Newsroom for the European Council

Web developer — Emakina — September 2008 - February 2012

www.emakina.com

Technical analysis and development of ColdFusion and PHP ([Drupal](#) 6/7, Zend Framework) websites for Eurocontrol, SESAR, Clean Sky, the UNDP and the European Commission.

Web developer — Qwentès — November 2004 - August 2008

Sysadmin and web developer for EU institutions and corporate clients

Education**Institut Paul Lambin, Brussels — September 2001 - June 2004**

Bachelor's degree (Graduat) in Information Technologies

Languages

French: First language

English: C1

Dutch: B1