

Romain Goussu

Fullstack Web Developer · Tech Lead

📍 Île-de-France, France

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🐙 GitHub

🔗 planks (npm)

11+ years · 10 roles · 23 technologies · 2 languages

PROFILE

Fullstack engineer and Tech Lead with ~10 years across software publishers, consultancies and regulated sectors (finance, aviation, public services). I build and run microservice systems (hexagonal architecture, event-driven, design-by-contract) on a Java/Quarkus & Node back end with React/Angular front ends, and I lift teams through it – coaching, testing culture, CI/CD, and pragmatic cloud (AWS, Terraform). Equally at home extracting shared services from a monolith and mentoring engineers toward the state of the art.

EXPERIENCE

Tech Lead @ Amundi (via eXalt-IT)

Sep 2024 → Present ● Present

Paris, France

Europe's largest asset manager, pivoting toward a software-vendor model. A ~40-person department (~20 engineers) owns the wealth-management solution, organised in feature teams under SAFe, amid heavy unmanaged tech debt, a vertical high-inertia org, demanding delivery pressure and a period of team turnover.

- › Joined a feature team as Tech Lead; re-mobilised the team around quality, testing and engineering practice.
- › Drove reporting / integration / retrofit work to move the legacy heavy Java client toward a more conventional client-server model, in a task-force, urgent-intervention format.
- › Advised on the release train's sharpest pain points – environment instability, regressions, non-reproducible builds.

Developer Relations (internal) @ eXalt-IT

Nov 2023 → Sep 2024

Paris, France

Internal role reporting directly to the two co-founders: conductor and advocate of the technical community (Dev, Data, Ops) toward the staff, driver of internal initiatives, and administrator of eXalt-IT's AWS platform.

- › Structured and automated the technical-assessment side of recruitment plus coaching/skill-up (Power Automate in V1, an in-house ad-hoc tool in V2).
- › Mentored engineers in hexagonal architecture, TDD, API management (REST, gRPC; Kafka, RabbitMQ) and infrastructure (SQL/NoSQL persistence, Redis caching).
- › Restructured and rationalised the AWS infrastructure, cutting monthly cloud costs by 50%+.
- › Led an external vendor to rebuild the corporate site from WordPress to a near-zero-compute Jamstack architecture.
- › Set up kata & coaching tracking boards wired into the company's communication tools.

Senior Software Engineer @ eXalt-IT – Harvest

May 2022 → Nov 2023

Porte des Lilas, France

Software publisher in wealth management. Re-platforming a monolith to microservices via the strangler-fig pattern, extracting shared cross-cutting services for all Harvest teams. 12-person team with a high quality bar and continuous-improvement culture (Kaizen).

- › Built & ran cross-cutting microservices (Tenant Management, Identity) and business services (Fees) using hexagonal architecture, design-by-contract and event-driven architecture.
- › Built & ran an Angular front end on Harvest's internal framework / design system.
- › Built a Core framework to ease team adoption of the Quarkus/MicroProfile stack (Outbox pattern, error management, tenant context, mediator pattern).
- › Ran POCs / spikes for new tech (OpenTelemetry rollout, time-series databases) and spread best practices to other Harvest teams.

Software Engineer @ Takima – Total EV Charge (TEVC)

Jan 2020 → May 2022

Vélizy-Villacoublay, France

Total's worldwide business unit for EV charging – from installing charge points to running charging fleets as an operator. Microservice architecture (Java/Spring Boot services + Node/Angular PWAs over a RabbitMQ bus). 5-person Scrum team, two-week sprints.

- › Built several B2B and B2G progressive web apps.
- › Implemented cross-cutting features across the microservices.
- › Took part in migrating the existing IS to Azure with Ansible infrastructure-as-code.
- › Owned technical design on structuring topics (payment process, end-user journey).

Software Engineer (training) @ Takima

Nov 2019 → Jan 2020

Bagneux, France

Takima's internal bootcamp: built a marketplace across several training modules.

- › Java 11 + SQL (PostgreSQL, MySQL) back end with Spring Boot 2, Hibernate 5, Spring Data JPA.
- › DevOps toolchain – Docker, Ansible, a continuous-delivery pipeline; Git, Maven, Flyway.

Junior Technical Referent @ Klee Group – DGAC (French Civil Aviation Authority)

Aug 2019 → Oct 2019

Le Plessis-Robinson, France

Framework contract to build and maintain part of the DGAC application estate. Project METEOR, a monolith easing regulatory exchange between the DSAC and civil-aviation actors. V-model team of five developers, a senior tech lead and a project manager.

- › Migrated the project from TFVC to Git and set up a TFS/Jenkins CI/CD pipeline.
- › Introduced practices – code review, test automation, feature branching.
- › Built a functional module of lot 2 and integrated the DGAC's document-management system (in-house, OpenCMIS/Alfresco).
- › Cut the defect rate at factory-acceptance delivery by ~50%.

Fullstack Developer @ Klee Group

Feb 2018 → Jul 2019

Le Plessis-Robinson, France

IT services company; assignments for public and private clients (DGAC – METEOR lot 1, OLAF-GEN, MEDRANO/Alphatango drone registration; AGEFICE – Agnes; Renault Sport – Travel Planner) across teams of varying size.

- › Technical design and modelling; ran design workshops with business stakeholders.
- › Implemented features and kept applications in operational condition (anomaly resolution).
- › Improved deployment processes – set up CI/CD pipelines, improved existing workflows.
- › Supported business and ops users through acceptance, install and go-live.

Fullstack Developer @ CGI – CFE (Caisse des Français de l'Étranger)

Sep 2016 → Jan 2018

Melun, France

Social-security fund providing health-cover continuity for French expatriates, modernising its IS. Part of a ~10-person application-maintenance team (TMA), V-model, across maintenance and build.

- › Analysed and fixed anomalies; took part in every build phase from design workshops to specs, feature delivery, integration and acceptance of components from a service centre.
- › Wrote technical documentation for both the legacy and newly integrated components.

Study Engineer – Intern @ CGI – CNSA (Caisse Nationale de Solidarité pour l'Autonomie)

Apr 2016 → Sep 2016

Paris 14, France

National body distributing "journée de solidarité" funds nationwide.

- › Built a POC to industrialise the functional acceptance testing of a web application.

Study Engineer – Intern @ DGA – MNRBC

Jun 2015 → Aug 2015

Île-de-France, France

Multidisciplinary maintenance team working on complex systems.

- › Produced operational documentation for on-call teams covering newly delivered systems.

PROJECTS

› planks

An open-source library of every-layout-style layout primitives shipped as framework-free, light-DOM custom elements (14 elements, cascading design tokens, tag-scoped CSS). Authored and published to npm; powers this very CV site.

#oss

#web

#typescript

► Alfred

A Slack-fronted personal "second brain": a Markdown knowledge base driven by scheduled AI routines that triage, consolidate and publish – including this CV and an engineering-journal pipeline.

#automation

#ai

#tooling

SKILLS

// Back-end

 Java (8 → 21)  Spring / Spring Boot  Quarkus (MicroProfile)  Node.js (Express, Inversify)

 PostgreSQL  MongoDB  ArangoDB / graph databases

// Architecture & messaging

Hexagonal architecture Event-driven architecture Design by contract REST / gRPC  Kafka  RabbitMQ

 Redis

// DevOps / Infra

AWS (Cognito, CloudFront, App Runner, DynamoDB, Route 53, ACM, IAM)  Terraform  Docker  GitLab CI

 Jenkins  Ansible  Git

// Front-end

 React (Redux, MobX, Flux)  Angular

EDUCATION

Engineering degree – Computer Science & Networks

ESME Sudria · 2017

Ivry-sur-Seine, France

International semester

Shanghai Jiao Tong University · 2014

Shanghai, China

Scientific Baccalauréat (mathematics)

Lycée Notre-Dame-des-Missions-Saint-Pierre · 2011

Charenton-le-Pont, France

LANGUAGES

French

Native

English

Professional

MORE

// Open source

► planks – authored & published an every-layout web-components library to npm (@rgoussu.dev/planks).

// Ways of working

► Coaching & mentoring (hexagonal architecture, TDD, API design).

► Agile / SAFe delivery; release-train stabilisation.

// Beyond the code

- › Tinkering with Claude, infra, Kubernetes and other software engineering.
 - › Chess, go and other board games; video games.
 - › Heavy reader – fan of Asimov, all things Tolkien.
 - › EVA (Esport Virtual Arena) – competing with the Craft and Conquer team in the Paname league.
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