

SAMUELE LA FLEUR

Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 4+ years of experience building scalable web/mobile apps in healthcare, Web3, and SaaS. Proficient in TypeScript, React, Node.js, Java, and cloud-native architectures on AWS. Proven ability to deliver end-to-end solutions in Agile teams, with strong testing/QA practices (JUnit 5, Mockito, Jest) and CI/CD. Familiar with AI/LLM tooling (Claude, GitHub Copilot) to accelerate development.

EXPERIENCE

Goodcode SA

Apr 2024 – Present

Full Stack Developer

Manno, Switzerland

- Architected EdilControl v2 on a serverless AWS stack (Lambda + SAM). Implemented an automated multi-tenant deployment via GitHub Actions, removing the need for manual provisioning.
- Contributed to Freename Web3 e-commerce: on-chain custody and multi-chain minting; redesigned the PDF invoice generation pipeline to reduce bugs and improve performance.
- Built a standalone microservice for dynamic PDF generation from HTML templates; reused across internal projects.
- Owned release management and ongoing support for the mobile application; ensured regular updates and stability.
- Testing & QA: Implemented unit and integration tests (JUnit 5, Mockito, Jest) and integrated into CI/CD; adopted TDD in critical areas.
- Tech Stack: TypeScript, React, Next.js, NestJS, Spring Boot, AngularJS, PostgreSQL, AWS Lambda, AWS SAM, GitHub Actions, Docker.
- AI / LLM Tools: Claude used for code review assistance and documentation generation.

Ente Ospedaliero Cantonale (EOC)

Sep 2021 – Mar 2024

Full Stack Developer

Bellinzona, Switzerland

- Contributed to Electronic Health Record (EHR) frontend/backend to improve UX, quality, and performance.
- Developed internal tooling web app (Next.js) for engineering ticket management and support workflows.
- Designed and implemented hospital-wide Flowable BPM client; led backend migration from Node.js to Spring Boot for scale and reliability.
- Automated tests for critical flows to support compliance and reliability in healthcare environments.
- Tech Stack: TypeScript, React, Next.js, Spring Boot, Node.js, MongoDB, Redux, Feathers, MUI, Jenkins, Docker, Rancher, Kubernetes.
- Testing: JUnit 5, Mockito, Jest.

Ente Ospedaliero Cantonale (EOC)

May 2017 – Aug 2021

Trainee Software Developer

Bellinzona, Switzerland

- Four-year apprenticeship; final thesis: digitalized REGA emergency rescue reports, integrated into EOC infrastructure.
- Tech Stack: TypeScript, React, Node.js, MongoDB, Redux, Feathers, MUI, Docker.

EDUCATION

SUPSI

Sep 2021 – Aug 2025

Bachelor of Science in Computer Science

Lugano, Switzerland

- Evening PAP course (Professional Awareness Program) balancing academics with work; managed time effectively and completed degree while employed.

Centro Professionale Tecnico (CPT)

Sep 2017 – Jun 2021

AFC – Software Developer with Federal Diploma

Locarno, Switzerland

TECHNICAL SKILLS

Languages: JavaScript / TypeScript, Java, C++, SQL

Frontend: React (incl. Next.js), AngularJS, React Native

Backend: Node.js, NestJS, Spring Boot 3.3/6, Spring WebFlux, Spring Security, Hibernate/JPA, Feathers

APIs: REST, GraphQL

Databases: PostgreSQL, MongoDB, MySQL, Oracle, SQL Server

DevOps / Cloud: AWS (Lambda, SAM), Azure, Docker, Kubernetes, Helm, Jenkins, CI/CD, GitHub Actions

Build Tools: Maven, Gradle

Testing / QA: JUnit 5, Mockito, Jest, Testing/QA in CI/CD, TDD

AI / LLM Tools: Claude, GitHub Copilot

Tools / Misc: Git, JIRA, VS Code, IntelliJ, Studio 3T

Methodologies: Agile, Scrum, CI/CD

PROJECTS

NFT Marketplace (Course Project, 2025)

- Developed a cross-chain NFT marketplace with listing, bidding/auction, and multi-chain wallet integration.
- Tech: TypeScript, React, Next.js, Solidity (Hardhat), Web3.js, AWS.
- Note: This project was a course assignment completed in 2025.

LANGUAGES

- Italian — Native
- English — C1
- German — A2

INTERESTS

- Fitness & Training
- Music
- Technology & Open Source