JESSICA KAHUNGU

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PROFILE

Full-stack software engineer with production experience on high-performance systems, taking ownership from design to deployment.

WORK EXPERIENCE

Co-founder, Studio Fleuve — **August 2024 - current**

- Co-founded a dev studio building mobile and web products under France's national student entrepreneurship program (Pépite France)
- Full-stack development with a focus on backend architecture and database design across multiple client and internal projects
- Main technologies: **React Native, AdonisJS, PostgreSQL, Docker, GitHub Actions, PostHog, Claude Code**

Software Engineer Apprentice, AVISTO Telecom — **Sept 2023 - Sept 2026**

- Diagnosed and fixed backend performance bottlenecks on high-volume PostgreSQL tables, built a partitioning POC, cutting a representative query from 67s to 197ms (340x), and defined the migration and maintenance strategy
- Co-built Avisto's first AI-driven development project for a client with one other engineer, using Claude Code across the full lifecycle, from design and architecture to delivery of the final web application, while keeping ownership of architecture and code quality
- Full-stack development on Avisto's internal recruitment platform, public job site, and a client project for AMETRA06 (occupational health)
- Main technologies: **Angular (TypeScript), React, Spring, PostgreSQL, GitLab, Claude Code**

Software Development Engineer Internship, AWS Ireland (Amazon) — **May 2025 - August 2025**

- Designed and implemented a full-stack feature that filters and processes deeply nested tree-structured data for clearer display, within the AWS Network organization, on a large-scale, real-time, multithreaded system
- Main technologies: **Clojure, React, AWS Lambda, CloudFormation, AWS CDK, CloudWatch**

EDUCATION

Master of Engineering in Computer Science
Polytech Nice Sophia, Université Côte d'Azur — **2023 - 2026**

- Specialization in Sustainable Software Engineering. Coursework in programming, software design, algorithms, computer architecture, deep learning and networking

Intensive preparatory program for engineering school entrance exams — **2021 - 2023**

- National ranking: top 3%
- Specialization in Mathematics and Physics

Double baccalaureate (ESABAC, French and Italian), with distinction (Mention Très Bien) — **2020 - 2021**

PROJECTS

LiveMate — **Ongoing**

Co-founded and built LiveMate, a carpooling app for concerts/festivals, live on iOS and Android stores with more than 700 users

- Main technologies: **AdonisJS, React Native, PostgreSQL, PostHog**

Web application for on-campus food delivery — **4 months**

Development of a full-stack application to handle on-campus individual and group orders, and design of our own framework on top of Java to understand how frameworks work under the hood

- Main technologies: **Java, Cucumber, JUnit, GitHub Projects, React, UML design**

KEY SKILLS

- Languages: Java, JavaScript/TypeScript, Python
- Frameworks: React Native, React, AdonisJS, Spring, Angular
- Tools: Docker, Git, GitLab, GitHub Actions, SonarQube, PostgreSQL, PostHog, Bash, AWS, Claude Code
- Familiar with: C, C++

INTERESTS

- Passionate about languages: fluent in English, French, Italian and Lingala, currently learning Portuguese
- Reading, writing, baking, dance, travel, quantum physics