RABUMA A. BEKELE

FULL STACK DEVELOPER

CONTACT

📞 +41 76 630 43 34

✉️ iamrabuma@gmail.com

📍 Bachstrasse 19 8912
Obfelden Zurich,
Switzerland

Born: 03.10.2006
Nationality: Ethiopian

🌐 Portfolio | Linkedin | GitHub

EDUCATION

Expected Oct 2027
University of the People

- Bachelor of Science
  Computer Science

PROFILE

Full Stack Developer specializing in AI/LLM-integrated applications in the Fintech domain. Proficient in Node.js/Express and React/Next.js, with expertise in API integration and building robust DevOps pipelines (Docker, CI/CD). Highly motivated and fast learner with strong problem-solving skills, a focus on clean, maintainable code, and a collaborative mindset, thriving on challenging and innovative projects.

WORK EXPERIENCE

Hewlett Packard Enterprise | Certificate   Oct 2025 - Oct 2025
Software Engineering Job Simulation | **Virtual**

- Developed a Spring Boot REST API with CRUD operations, JSON handling, and thread-safe logic using AtomicLong.
- Achieved 100% test coverage with 22 JUnit/Mockito tests and integrated Gradle for automated builds and deployments.

JPMorgan Chase & Co. | Certificate   Sep 2025 - Sep 2025
Software Engineering Job Simulation | **Virtual**

- Built a Spring Boot microservice with Kafka, H2, and JPA/Hibernate for async processing and data handling.
- Developed REST APIs with external integrations and added transaction validation following microservice best practices.

Seeno AI   March 2025 - Aug 2025
Founder, Developer

- Founded Seeno AI and developed core platform features, including landing pages, service sections, and contact tools.
- Designed and developed AI-powered automation solutions to help businesses improve efficiency and streamline workflows.

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CERTIFICATE

Meta
- [Full Stack Software Engineer](#)

Amazon Web Service (AWS)
- [AWS Cloud Solution Architect](#)

UC San Diego
- [Data Structures and Algorithms](#)

Harvard University
- [CS50: Introduction to Computer Science](#)

Google
- [IT Automation with Python](#)
- [IT Support](#)

FreeCodeCamp
- [Backend Development and APIs](#)
- [JavaScript Algorithms and DS](#)
- [Responsive Web Design](#)

University of Helsinki
- [Elements of AI](#)

LANGUAGE

- English (Fluent)
- German (Basics)
- Amharic (Native)
- Oromo (Native)

HOBBY

- Drawing
- Football

PROJECT

AI Finance Tracker   Jul 2025 - Oct 2025
[Live Demo](#) | [GitHub](#)

Full-stack financial platform using **Nordigen** for secure bank linking and **AI categorization**, delivering real-time analytics, budgeting, AI guidance, and **Stripe subscriptions.**

- Engineered **Nordigen API** integration for automated transaction fetching via **OAuth** 2.0 flows. Used **Express.js** to normalize data before AI categorization for spending insights.
- Developed budgeting logic and analytics endpoints for visual insights and **Resend** notifications. Integrated **OpenRouter LLM API** via a chat interface for financial guidance.
- Engineered full-stack architecture utilizing **JWT/bcrypt** authentication and **Stripe** billing. Developed the **REST API** with **Node.js/Express** and **MongoDB** for persistence.

Chrome AI Assistant   Sep 2025 - Oct 2025
[Live Demo](#) | [GitHub](#)

Manifest V3 Chrome Extension for multi-source extraction (DOM, PDF, OCR), delivering AI-powered, real-time Q&A with voice input, **launched on the Chrome Web Store.**

- Engineered multi-source extraction (DOM, pdf-parse, Tesseract.js OCR) with sub-5s latency. Utilized **Node.js/Express** and **Manifest V3**; integrated **Sharp** for image processing
- Optimized **OpenRouter LLM** integration via content prioritization, achieving 70% higher accuracy, 30% faster responses, and 40–60% reduction in token usage.
- Designed privacy-first architecture (local processing, zero data retention) and **CI/CD pipeline** (**GitHub Actions/Docker**) for secure deployment to the Chrome Web Store.

TECH STACK

- **Frontend:** React, Next.js, JavaScript, HTML, CSS
- **Backend:** Node.js, Express.js, Python
- **Database:** MongoDB, MySQL, PostgreSQL
- **DevOps:** Docker, CI/CD (GitHub Actions / GitLab CI)