Kibirigi Rachel

Versatile Full Stack Developer passionate about turning complex challenges into simple, valuable, and impactful solutions.

Experience

Full Stack Developer | 2023 – Present

- Design and deliver end-to-end SaaS applications across finance, eCommerce, and healthcare, from backend architecture to UI and deployment.
- Build and deliver production-ready features like authentication, secure payments, AI insights, OCR automation, and CI/CD pipelines with Docker and GitHub Actions.

Selected Projects:

CalenCents : Personal Finance Dashboard with AI Insights

- Architected a full-stack finance platform (FastAPI, PostgreSQL, Next.js, Docker) for budgeting, expense tracking, and savings goals, replacing error-prone manual spreadsheets.
- Integrated Prophet forecasting and OpenAI insights, flagging overspending patterns and guiding monthly targets with predictive recommendations.
- Implemented OCR receipt scanning (Tesseract), eliminating manual entry and increasing data accuracy.
- Set up CI/CD with GitHub Actions, Docker Compose, and Pytest, ensuring safer releases and faster iteration.

LuxLather : Full-Stack eCommerce Platform

- Built a modern eCommerce app (React + Vite + TypeScript, Node.js, Express, MongoDB) with intuitive browsing and secure checkout.
- Developed an admin dashboard for the full product lifecycle (CRUD, Cloudinary uploads, product detail pages), streamlining catalog management.
- Integrated Stripe payments and optimized checkout UX, reducing purchase friction and boosting transaction reliability.
- Implemented state management with Zustand and UI tests with React Testing Library, hardening cart/order flows and improving stability.

Health Management System

- Developed a MERN + TypeScript healthcare platform for appointments and patient records, with role-based access via Appwrite, strengthening privacy and compliance.
- Built patient/doctor portals with scheduling and dashboards, replacing manual booking workflows with a digital system.
- Configured monitoring with Sentry and Mocha/Chai integration tests, detecting issues early and improving reliability.

IoT Business Development Intern | SoftBank Corp., Tokyo | 2021–2022

- Collaborated with cross-functional teams to support IoT market expansion strategy in emerging regions by analyzing CDP insights, M2M roaming agreements, and contributing to business plans and investment proposals.
- Co-led an executive webinar with leaders from SoftBank, Meta, Safaricom/Vodafone, and Econet Global, and authored technical briefs that enhanced cross-team knowledge sharing.

Graduate IoT Research — Njuna | Kobe Institute, Japan | 2019–2021

- Designed and prototyped Njuna, an IoT-based women's safety system using Raspberry Pi, Arduino, and mobile integration, showcasing full-stack hardware–software design.
- Presented findings at academic seminars and conferences, gaining recognition for applying technology to address real-world social challenges.

Contact

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Skills

Languages: JavaScript, TypeScript, Python

Backend & APIs: FastAPI, Node.js, Express, REST API design, SQLAlchemy, Alembic

Frontend: React, Next.js (App Router), Vite, Tailwind CSS, Zustand, Framer Motion

Databases: PostgreSQL, MongoDB, Supabase (Auth, Storage, Edge Functions)

Cloud & DevOps: Fly.io, Vercel, Render, Docker, GitHub Actions (CI/CD), Sentry

AI & Data: OpenAI API (LLM), Prophet, Tesseract OCR

Testing: Pytest, React Testing Library

Tooling & Practices: Git, GitHub, Agile Development, REST client tools(Postman, curl)

IoT & Systems: Raspberry Pi, Arduino, Appwrite

Education

Master of Science in Information Systems
Kobe Institute of Computing, Kobe, Japan | 2019 - 2021

Bachelor of Science in Information Technology
International University of East Africa | 2013 - 2016

Interests

Art · Painting · Ikebana (Japanese floral design) · Karate · Creative Writing · Traveling