Jackson M Macharia

Chiang Mai, Thailand
+66952819402 | Jackmwakano@gmail.com
🌐 iamjackson.vercel.app   in linkedin.com/in/jackson-macharia

PROFESSION

- Profession : Software Developer | Cloud Supprt Technologist

OBJECTIVE

Full-Stack Developer & Junior Cloud Support Engineer with 3+ years of experience building secure, scalable web platforms across sectors like job tech, social impact, and AI training. Proficient in React, Next.js, NestJS, Firebase, and AWS (EC2, S3, IAM, RDS). Skilled in designing microservice-based architectures, implementing real-time features, and deploying with CI/CD pipelines via GitHub Actions and Vercel. Currently leading the development of mission-driven platforms including Job Connect, Charity Connect, and Nexus Loop AI. Open to relocation and remote collaboration—driven to join teams solving meaningful, global-scale problems through modern web and cloud technologies.

EXPERIENCE

May - 2025

- **Full-Stack Developer**
  Nexus Loop AI
    - Designed and built a production-grade AI training and task management platform with real-time workflows and scalable architecture.
    - Led development using a **monorepo architecture** powered by **Turborepo**, with modular packages for API, DB, UI, and configuration.
    - Built a secure backend with **NestJS**, featuring role-based access control, **JWT auth, Prisma ORM,** caching, and validation.
    - Developed the frontend using **Next.js 14, TailwindCSS, shadcn/ui**, and schema-safe forms with `react-hook-form` and `zod`.
    - Deployed services via **Vercel, Docker**, and **Render**, and configured CI/CD pipelines for automated testing and deployment.
    - Implemented PostgreSQL database workflows with **Prisma Migrate**, Studio, and shared schema via `@nexusloop/db`.
    - Created reusable design systems and shared types across the stack to ensure consistency and type safety.
    - **Key Tech Stack**: Next.js 14, NestJS, TypeScript, PostgreSQL, Prisma, Docker, Turborepo, TailwindCSS, shadcn/ui, Render, Vercel, GitHub Actions

April 2025 -

- **Full-Stack Developer**
  Charity Connect
    - Building a donation platform using Next.js, Firebase, and Vercel for global material and cash donations
    - Implementing role-based access, real-time data sync, and secure authentication
    - Scaling backend features and admin dashboard with modular UI components and Firestore

Jan 2025 -

- **DevOps Support Engineer**
  Job Connect
    - Developed a job-matching platform with role-based dashboards, real-time messaging, and Firebase Auth
    - Integrated AWS services: S3 for file uploads, CloudWatch for logging, and IAM for secure roles
    - CI/CD pipeline setup using GitHub Actions for automated Firebase deployments

Nov 2023 - Nov 2024

- **Frontend Developer**
  Aboa Vidas
    - Delivered a clean, responsive company website using HTML, CSS, Bootstrap, and JavaScript
    - Focused on mobile-first design, SEO optimization, and client collaboration
    - Deployed project to Netlify with post-launch updates

EDUCATION

Expected 2025

- **University of the People - USA**
  Bachelor of Science, Computer Science
  3.81 out of 4.0

July 2022

- **Meru University of Science and Technology- Kenya**
  Bachelor of Science, Statistics
  3.11 out of 4.0

SKILLS

- React.js | Next.js | TailwindCSS | Bootstrap | HTML5 | CSS3 |
- Node.js | Firebase (Firestore, Auth) | Prisma | REST APIs
- AWS {EC2 | S3 | RDS | ROUTE53} | GitHub Actions | Firestore Hosting | Vercel
- Python (scripting) | Docker (learning) | Git & GitHub | Responsive Web Design | Agile Team Collaboration

PROJECTS

- **Job Connect Platform | ReactJS | Firebase | TailwindCSS**
  Built a multi-role job matching platform with real-time chat, user onboarding flows, and dynamic job postings.

- **Personal Portfolio Site | ReactJS | Firebase Hosting**
  Designed a responsive personal portfolio showcasing cloud and web development skills with a blog, project display, and testimonials.

- **CI/CD Deployment Pipeline | GitHub Actions | Firebase**
  Automated deployments of React applications to Firebase Hosting via GitHub Actions on code push events.

CERTIFICATIONS

- AWS Certificate Cloud Practitioner (Expected: July 2025)
- CI/CD Automation with Github Actions (Practical Projects)