

Engr. Hamisu Muh'd

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 7+ years of experience architecting scalable backend services (Python, Node.js, Go, AWS Lambda) and crafting intuitive React/Next.js and React Native (Expo) applications. Passionate about clean code, eco-friendly web practices, and delivering seamless cross-platform user experiences.

WORK EXPERIENCE

- **Senior Full-Stack Engineer • Synergates Global Concept • Katsina, Nigeria** **Apr 2023 – Present**
 - Full-stack delivery for enterprise platforms in AI, IoT, and e-Gov systems.
 - frontend overhaul using React & Tailwind CSS, boosting user engagement by 25% and reducing page load times by 1.2s.
- **Full-Stack Engineer • Auzit Global Limited • Katsina, Nigeria** **Apr 2021 – 2023**
 - Architected microservices handling 50k req/sec, slashing average API latency by 40% through optimized database indexing and horizontal scaling.
 - Mentored a team of 4 engineers; introduced code reviews and CI/CD pipelines, cutting deployment errors by 60%.
 - Delivered real-time biometric and authentication systems for enterprise clients.
- **Software Engineer • Max Air • Kano, Nigeria (Internship)** **Apr 2020 – 2021**
 - Helped digitize core inventory and scheduling operations.
 - Supported airline operations with internal tools and RESTful APIs.

TECHNICAL SKILLS

- **Language & Frameworks:** JavaScript (ES6+), TypeScript, Python, C++, Node.js, Go, React Native (Expo), Next.js, Astro.
- **Backend & Databases:** Express, Prisma, PostgreSQL, MongoDB, Redis, Socket.io, Docker, Kubernetes.
- **DevOps & Cloud:** AWS (Lambda, ECS), Vercel, GitHub Actions, Terraform.
- **Tools & Misc:** Figma, VS Code, Raycast, Arc, Notion.

PROJECTS

- **TineX Wallet** — [GitHub](#): Architected end-to-end crypto wallet bot on Cosmos SDK; implemented secure transaction microservices in Go, serving **5k+** active users.
- **SpringFi Meme Coin** — [GitHub](#): Designed tokenomics and full-stack dashboard (React + Serverless AWS) allowing real-time analytics and user management.
- **AI-Powered Age/Gender Detection with CNNs** — [GitHub](#):
 - Built a facial analysis system that detects age and gender using CNNs trained on real-world data.
 - Implemented preprocessing pipelines and used OpenCV with Caffe-based models for high-accuracy inference.
 - Developed a custom PyQt5 GUI to visualize results with real-time webcam integration.
 - Evaluated performance using Adience benchmark dataset; enhanced prediction accuracy through data normalization and augmentation.
- **C-RAN CAC Engine** — [GitHub](#):
 - Developed resource optimization algorithms for Cloud-RAN environments, reducing channel allocation time by 30%.
 - Integrated with biometric and SIM registration APIs for seamless onboarding in compliance-heavy environments.
- **Connectivity-based Outlier Factor (COF) – Outlier Detection Algorithm** — [Github](#): Implemented the Connectivity-based Outlier Factor (COF) algorithm to identify anomalies in high-dimensional datasets. This project supports academic and research purposes with comprehensive visualizations and real-world data examples.
- **Expo Mobile Dashboard**: Developed a React Native (Expo) cross-platform app that integrates with existing REST APIs for real-time analytics and push notifications.

EDUCATIONS

- Umaru Musa Yar'adua University, Katsina Katsina State, Nigeria
BSc. Computer Science 2015 - 2019