

Kemo Jallow

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Software Engineer

Senior Full-Stack Engineer with 5+ years building scalable applications using **Next.js**, **TypeScript**, **Python**, **Golang**. Expert in performance optimization and clean architecture, reducing latency by 40% and improving reliability across **microservices**. Passionate about leveraging technology to drive innovation.

Technical Skills

- **Programming Languages:** Golang, Python, Node.js, JavaScript, Rust, Swift, Kotlin, Dart, Java
- **Frameworks/Libraries:** React Native, Next.js, Go Fiber, Express.js, FastAPI, Flutter, SwiftUI, Rust Axum
- **Databases:** PostgreSQL, MySQL, Neo4j, MongoDB, Redis
- **Cloud Platforms/DevOps/Architecture:** AWS (EC2, S3), GCP, Docker, GitHub Actions, Microservices, RESTful APIs, Event-Driven Architecture

Experience

Hannlync — *Senior Full-Stack Software Engineer* Taipei, Taiwan, Jul 2022 – Present

- Designed and implemented *scalable microservices architecture*, cutting *API latency* by 40% and improving reliability.
- Developed a *telephony system* for private networks, reducing call latency by 15%.
- Ported the *Kepler web app* into a fully functional mobile version, increasing user engagement by 25%.
- Spearheaded frontend optimizations, slashing page load times by 50%, boosting SEO rankings.
- Reduced application load times by 35% through performance optimization.

Bantaba — *Senior Frontend Developer(remote)* Stockholm, Sweden, Jun 2021 – May 2022

- Designed and implemented efficient project workflows, reducing development cycles by 30%.
- Increased user engagement by 25% through enhanced UI/UX improvements.
- Refactored codebase, reducing technical debt by 40%.

Taiwan TECH — *AI/ML Research Assistant* Taipei, Taiwan, Jul 2019 – Jun 2020

- Researched convolutional neural networks (*CNNs*) for corrosion detection in steel structures using *TensorFlow*.
- Translated technical papers from *Chinese* to *English* to support international research collaboration.

Education

- National Taiwan University of Science and Technology Sept. 2016 – June 2018
MSc in Structural & Information Engineering, GPA: 3.42
- National Taipei University of Technology Sept. 2012 – June 2016
BS in Civil Engineering, GPA: 3.82
- University of the Gambia Sept. 2011 – Jun 2012
Pre Medicine, GPA: 3.90

Projects

Pitchwise Website
Developed a collaborative pitch creation platform with Express.js, PostgreSQL, and Next.js. Implemented real-time editing, AI-powered suggestions, and export options. Reduced pitch turnaround time by 50%, helping startups secure \$500K+ in funding.

Transcribe AI GitHub
Developed an AI-powered transcription tool using PostgreSQL, Whisper AI, FastAPI, and React, enabling real-time audio/video-to-text conversion. Implemented speaker diarization, supporting multiple languages. Achieved 95% transcription accuracy for clear audio files.

Nafa Wallet GitHub
Developed Nafa Wallet, an e-wallet platform built using PostgreSQL, Rust (Axum), Next.js, and TypeScript. Enables users to digitally pay for goods, transfer money, and manage transactions securely. Features real-time balance updates, fraud detection mechanisms, and multi-layer encryption.