AJIBOYE ADEDOTUN

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OBJECTIVE

Senior Backend Engineer with 5+ years of experience in building scalable software solutions for fintech and healthcare. Proficient in microservices architecture, cloud infrastructure (AWS, Google Cloud), and database optimization. Skilled in designing high-performance APIs, automating workflows, and driving continuous delivery. Adept at leading cross-functional teams and mentoring engineers.

SKILLS

- **Languages**: Go, JavaScript, TypeScript
- **Frameworks/Tools**: Go (Gin, Echo, gRPC), Node.js, Express.js, Nest.js
- **Databases**: Prisma, TypeORM, PostgreSQL, MongoDB, MySQL, Redis
- **Cloud & DevOps**: AWS (S3, Lambda), GCP(Cloud Functions, Pub/Sub), Docker, CI/CD, Git
- **Methodologies**: REST/gRPC APIs, Microservices, TDD, Concurrency Patterns, Agile, Dependency Injection
- **Messaging & Observability**: Kafka, RabbitMQ, Prometheus, Grafana, Sentry
- **Security**: OAuth2, JWT, GDPR Concepts, RBAC

PROFESSIONAL EXPERIENCE

Duplo (YC W22) (remote) **May *2024 – Present***

Backend Engineer, *Lagos, NG*

- Integrated multiple banking APIs and payment gateways, automating payment workflows and enabling virtual account creation, processing over 10M transactions daily.
- Developed and maintained an in-house Mock Server platform that simulated third-party API behaviors in staging and development environments, thereby increasing successful integration outcomes by over 90%.
- Designed money movement flows across distributed services using DBML and MermaidJS for ERDs, UML, and sequence diagrams, improving cross-team collaboration and reducing onboarding time by 60%.
- Implemented Direct Debit capabilities via NIBSS integration to enable mandate-based account debits, effectively reducing wallet funding dependencies.
- Engineered granular role-based access control (RBAC) with OAuth 2.0, JWT, and multifactor authentication, cutting security incidents by 75%
- Mentored junior engineers through regular code reviews, pair programming, and architectural guidance, fostering engineering best practices and elevating code quality and maintainability.

mDoc (remote) **June *2023 – June 2024***

Backend Engineer, *Lagos, NG*

- Led backend development for a Learning Management System (LMS) tailored for healthcare professionals, delivering a scalable, user-friendly platform focusing on robust API development.
- Architected serverless functions using Google Cloud Functions to automate notifications, efficiently scaling push, SMS, and email alerts for over 100K users with improved reliability.

- Optimized backend systems for 'Navihealth' and 'Complete Health,' addressing clinical team challenges and enhancing endpoint performance.
- Adapted to the LoopBack framework by integrating agile best practices and emerging technologies to enhance project quality and responsiveness.
- Maintained system reliability by systematically resolving bugs and optimizing performance across all projects to ensure consistent uptime and functionality.
- Utilised MongoDB, Google Pub/Sub, and TypeScript to design and implement innovative backend solutions, ensuring scalable and effective data integration across healthcare applications.

Peddle Technologies (remote) **Sept *2021 – May 2023***

Lead Backend Engineer, *London, UK*

- Optimized database performance by designing intricate PostgreSQL schemas with Prisma ORM, improving query efficiency and data management.
- Pioneered a cookie-based affiliate tracking algorithm, increasing conversion tracking precision by 20%.
- Orchestrated third-party API integrations (WooCommerce, Stripe, Shopify, Magento), enhancing user experience and driving higher conversion rates.
- Guided team through code reviews and pair programming, elevating code quality and fostering a culture of continuous learning.
- Shaped scalable system architecture, aligning solutions with client growth needs and boosting performance
- Automated environment setup and Dockerization for multiple services.
- Evaluated and improved unit/integration test coverage.

Nosh (remote) **Jan *2019 – Aug 2021***

Backend Engineer, *Lagos, NG*

- Enabled seamless utility bill payments (airtime, data) by integrating Flutterwave API, streamlining transaction processing.
- Crafted MongoDB database schemas with Mongoose, ensuring data integrity and fast retrieval for fintech operations.
- Introduced face verification for KYC, accelerating onboarding speed and accuracy.
- Built a wallet system for gift card trading, enhancing user control and experience.
- Authored detailed API and schema documentation, slashing team onboarding time by 40%.

EDUCATION

Federal University of Technology, Minna, Nigeria

B.Eng in Mechatronics Engineering | Graduated: 2023

PROJECTS

- **Nosh (nosh.ng)**: *Fintech platform for gift card trading, airtime, and data purchases.*
- **Metricks (metricks.io)**: *Affiliate tracking software for SMEs to scale marketing efforts.*
- **Navihealth (navihealth.ai)**: *Healthcare discovery tool with clinic insights and ratings.*
- **LendSqr (lendsqr.com)**: *Lending-as-a-service solution for scalable, ethical lending.*
- ***Kredete (Gravv)**: Cross-border payment solution*