

Paul Babatuyi

Backend Engineer

Email: paulbabatuyi@gmail.com

[GitHub](#)

[LinkedIn](#)

[My Portfolio](#)

Blog: [Dev Community](#)

Summary

I'm a curious, resilient and coachable Backend Engineer with over 5+ years of experience designing and building scalable monolithic and microservices applications in Go, Python, and TypeScript. Specialize in high-performance, cloud-native Go services using gRPC, GraphQL and REST APIs, with deep expertise in system design & architecture, API/database design, and test-driven development. Delivered production systems across e-commerce, SaaS, logistics, Fintech and health domains, incorporating security best practices, rate limiting, load balancing, authentication/authorization, Observation and monitoring (structured logging, metrics, tracing) to mention a few.

Core Skills

Languages: Golang, TypeScript, JavaScript, Python

Backend: gRPC, REST APIs, GraphQL, Websocket, Kafka, Nginx, JWT, OAuth2

Databases: PostgreSQL, MongoDB, Redis, MySQL

DevOps & Cloud: Docker, Kubernetes, GitHub Actions (CI/CD), AWS, Linux, Bash

Testing: Test-Driven Development (TDD), Unit Testing, Integration Testing, End-to-End Testing

Frontend/Mobile: React Native, React, Expo, Tailwind CSS, Sass

Experiences

Delivery Point Logistics

Backend Engineer: Tubli, manama - *Remote* / Feb – Nov 2025

- Developed and maintained RESTful APIs using Go and Node.js, serving over 50k monthly active users with 995% uptime.
- Implemented Redis Caching layers that reduced database query load by 60% and improved API response times from 250ms to 35ms average.
- Built automated data pipeline using PostgreSQL triggers and background workers to process 10k user's transactions daily.
- Collaborated with Senior developer to refactor monolithic codebase into modular architecture, improving code maintainability and reducing bug resolutions time by process

Projects Backend Engineer

UploadStream-gRPC

High-Performance File Upload/Download Service with gRPC Streaming

[GitHub repo](#) Dec 2025

- Developed a production-ready file transfer service in Go, leveraging gRPC client/server streaming for efficient handling of large (multi-GB) files.
- Implemented chunked bidirectional streaming (64KB default) for memory-efficient transfers, supporting resumable uploads/downloads without loading entire files.
- Integrated PostgreSQL for ACID-compliant metadata storage (user ownership, pagination, soft-delete with deleted_at), filesystem abstraction for data, and proto-validate for input validation via Buf toolchain.
- Provided Kubernetes manifests for scalable deployment, incorporated Prometheus metrics/alerts (capable of 10k+ daily uploads), and added Makefile for build/test automation and migrations.
- Demonstrated modern Go practices (generics, gRPC ecosystem) and cloud-native best practices.

RealTimeChat-gRPC

Production-Ready Real-Time 1-on-1 Chat API with gRPC Bidirectional Streaming

[GitHub repo](#) / Nov 2025

- Built a scalable, low-latency one-on-one chat service in Go using gRPC bidirectional streaming for persistent, real-time messaging.
- Designed MongoDB persistence layer with optimized indexes for efficient storage/retrieval, using modular repository pattern.
- Implemented gRPC interceptors/middleware for authentication, rate limiting, JWT secret rotation, and TLS/mTLS encryption; managed Protocol Buffers with Buf toolchain.
- Containerized with Docker Compose (including MongoDB orchestration) for seamless local/production deployment. Followed test-driven development with comprehensive unit/integration tests and GitHub Actions CI/CD.

Microservice E-Commerce Platform

Scalable Microservices-Based E-Commerce Backend in Go

[GitHub repo](#) | May 2025

- Designed and implemented modular microservices architecture separating user management, product catalog, cart, orders, payments, and notifications.
- Built NGINX API Gateway for request routing, load balancing, and traffic management, reducing latency by up to 10% under load.
- Integrated Stripe for payments, Twilio for notifications, and MongoDB/PostgreSQL for flexible persistent storage across services.
- Containerized all components with Docker/Docker Compose; established GitHub Actions CI/CD for automated testing/builds.
- Applied environment-based configs, caching, and third-party integrations for maintainable, production-grade systems.

BMG-Go-Backend

Inventory Management Backend for React Native Mobile App

[GitHub repo](#) | Oct 2025

- Developed robust RESTful API in Go powering a React Native inventory app, handling authentication, item management, file uploads, and 20k+ daily operations.
- Designed clean layered architecture (handlers, services, repositories, domain) with dependency injection and lightweight HTTP routing.
- Integrated PostgreSQL (via sqlx) with repository pattern and automated migrations for efficient data access.
- Built middleware stack for JWT authentication, authorization, CORS, rate limiting, and security enhancements.
- Dockerized the application for easier deployment and maintenance.

Certificate

Google Developer Student. **2023-2024**

Microsoft Student Ambassador **2021-2022**