

Parwar William Ofosu

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PROFILE

I am a Senior Backend Engineer with 5+ years of experience designing, building, and scaling production-grade backend systems for startups and enterprise platforms across Africa, Europe, and the United States. Proven expertise in distributed systems, real-time infrastructure, cloud-native DevOps, and high-availability architectures supporting 1,000+ concurrent users and 99.99% uptime. Strong background in Node.js, Python, cloud infrastructure, and performance optimization, with demonstrated impact in reducing latency, automating deployments, and improving system reliability. Experienced in remote-first teams and cross-functional product delivery.

EDUCATION

Associate Diploma Certificate -Software Engineering (Implementation & Testing), **University of Hong Kong, China**

Node.js Developer Certificate, **Andela**

B.Sc. Mathematics & Statistics, **University of Ghana, Legon, Ghana**

TECHNICAL SKILLS

- **Backend & Infrastructure:** Distributed systems design, REST & GraphQL APIs, real-time systems, background job processing, caching strategies, data modelling, authentication & authorization
- **Languages & Frameworks:** Node.js (Express, NestJS), Python (Django, FastAPI), JavaScript, TypeScript
- **Databases & Data Stores:** PostgreSQL, MySQL, MongoDB, DynamoDB, Redis
- **Cloud, DevOps & Reliability:** Docker, GitHub Actions, AWS, Terraform, Prometheus, CI/CD, container orchestration
- **Delivery & Collaboration:** Agile (Scrum, Kanban), Git, GitHub, Unix/Linux, remote collaboration, technical documentation, cross-functional communication
- **Soft Skills:** Team leadership, mentorship, remote collaboration, problem-solving, communication

WORK EXPERIENCE

Senior Backend Engineer, White Comfort

Accra, Ghana (Remote)

Dec 2025 - Present(Full-time)

- Lead backend engineering for **Comfort**, a scalable multi-service platform focused on secure authentication, real-time communication, and high-availability backend systems.
- Design and maintain **cloud-native, production-grade backend architecture** using Node.js (NestJS/Express), PostgreSQL, and Redis.
- Own system design for **authentication, authorization (JWT, RBAC), OTP verification, background job processing, and event-driven services**.
- Implement **real-time infrastructure** using WebSockets and Redis to support concurrent users with low-latency communication.
- Drive backend performance optimization, reducing response latency and improving system throughput under production load.
- Build and enforce **CI/CD pipelines** with Docker and GitHub Actions to enable automated testing, zero-downtime deployments, and reliable rollbacks.

- Collaborate closely with frontend, mobile, product, and design teams in a **remote-first, agile environment** to deliver features from PRD to production.
- Contribute to backend engineering standards, API documentation (Swagger), and long-term platform scalability planning

Senior Backend Engineer/Engineering Lead, Vire Agency

Accra, Ghana (Hybrid) [Link](#)

Sept 2023 – Dec 2025(Full-time)

- Lead backend architecture and platform engineering for Vire Workplace, a multi-module enterprise HR and automation platform servicing internal operations and client deployments.
- Designed and governed system architecture across authentication, real-time systems, background processing, and data pipelines.
- Built and enforced CI/CD pipelines using GitHub Actions and Docker, enabling zero-downtime deployments, automated rollback, and reducing deployment failures by 40%.
- Drove platform performance optimization using Redis, asynchronous task processing, and advanced query tuning, reducing API latency by over 30% under production workloads.
- Implemented real-time communication infrastructure using WebSockets and Redis Streams to support concurrent enterprise users across HR, Admin, and Staff systems.
- Established backend reliability and monitoring standards to sustain 99.9%+ uptime in production.
- Conducted architectural reviews, enforced code quality standards, and collaborated closely with frontend and product stakeholders for release planning.

Senior Backend Engineer, Menes Konsult & Europlaw Group

Texas, USA (Hybrid) [Link](#)

Aug 2024 – Mar 2025(Contract)

- Architected and delivered a scalable deal-sourcing backend platform using Node.js and MongoDB supporting multiple concurrent users across three continents.
- Designed real-time data synchronization using WebSockets and implemented enterprise-grade role-based access control (RBAC).
- Built production-grade API documentation with Swagger to support distributed engineering and external integrations.
- Optimized observability and monitoring pipelines to sustain 99.99% system uptime.
- Partnered with legal and product stakeholders to align system architecture with compliance and business workflows.

Software Engineer, Global Branding

Accra, Ghana (Remote)

June 2024 – February 2025 (Contract)

- Spearheaded backend architecture for enterprise real estate platforms, reducing system failures by 40%.
- Led architectural decisions in collaboration with design and business stakeholders.
- Deployed containerized services using Docker and managed orchestration on AWS Kubernetes clusters.
- Implemented secure authentication using JWT and OAuth2.

Lead Software Engineer, Partechologies & Consult

Accra, Ghana

October 2023 – April 2025 (Part-time)

- Led end-to-end development of AI-powered logistics and mobility platforms.
- Oversaw architecture design and performance tuning of backend services across mobile and web stacks.
- Improved system reliability and reduced error rates by 30%.
- Managed project sprints and collaborated closely with cross-functional teams.

Software Engineer, UniGhana

Accra, Ghana (Remote)

July 2023 – August 2023 (Contract)

- Rebuilt web app using React, improving usage metrics and boosting captain activity by 25%
- Collaborated closely with the backend team to ensure robust API integration and system stability.

Software Engineer, Blubarter

Accra, Ghana (Remote)

February 2022 – April 2022 (Internship)

- Integrated PWA frontend with backend services using robust API design and real-time updates.
- Focused on error handling, performance monitoring, and backend logic optimization.

Software Engineer, Bright Network

London, UK (Remote)

January 2022 – June 2022 (Internship)

- Contributed to backend tooling with reusable modules for data processing and workflow orchestration.
- Reduced post-deployment bugs by 25% through improved test coverage and defensive coding.

Software Engineer, KadTranslations

Accra, Ghana (remote)

April 2021 – December 2021 (Contract)

- Built multilingual content APIs with Redis-backed performance indexing and caching.
- Improved content delivery performance and system responsiveness.

HONORS AND ACHIEVEMENTS

- **Google Cloud Innovator**, Participant
- **Certificate of Leadership** - Aspire Institute (Harvard University)
- **Build With AI Series**, Google
- **Law & Tech Policy Delegate**, Certificate
- **Google IT Support** – Certificate

REFERENCES

References available upon request