

PAUL JOHN

Software Engineer

Dar es Salaam, Tanzania

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PROFILE

Software Engineer focused on building solutions that connect and empower people. Over 2 years of experience developing backend systems, APIs, and data workflows, including health system integrations and laboratory analytics for Zanzibar's national laboratory information system.

EXPERIENCE

Software Engineer

Ubunifu Solutions Limited

August 2024 – Present

- Built ZanLIS Processor with REST APIs, duplicate prevention, automatic retries, and a transactional outbox. ZanLIS was deployed at 12 laboratory sites in Zanzibar as of September 2026.
- Built ETL pipelines, a ClickHouse data warehouse, and Apache Superset dashboards to track laboratory activity, results, and turnaround times.
- Led unit, integration, and system testing; worked with Ministry of Health stakeholders on requirements, deployment, training, and troubleshooting.

Software Engineer

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April 2024 – August 2024

- Performed exploratory testing and documented defects for the development team.
- Presented product demonstrations and onboarded users, helping them understand and use the platform.
- Followed up with users after onboarding and relayed feedback and reported issues to the team.

TECHNICAL SKILLS

Python · Django · FastAPI · TypeScript · NestJS · REST APIs · API Integration · PostgreSQL · Redis · MongoDB · ClickHouse · Apache Superset · RabbitMQ · Docker · Linux/Unix · Git · Testing

EDUCATION

ALX Africa

Certificate in Software Engineering

November 2022 – March 2024

Arusha Technical College

Diploma in Mechanical Engineering

November 2019 – November 2022

LANGUAGES

English: Full Professional Proficiency

Swahili: Native Speaker