

DAVID WILLIAM *OKIRIA*

SOFTWARE ENGINEER

CONTACT

Kampala, Uganda

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TECHNICAL EXPERTISE

- Python & PostgreSQL
- REST APIs & microservices
- Backend systems & integration
- Data pipelines & automation
- WordPress & web platforms
- Mobile application development
- Analytics & reporting
- Testing & quality assurance
- E-commerce & technical SEO

PROFESSIONAL STRENGTHS

- Remote team collaboration
- Agile software delivery
- Performance optimization
- Technical documentation
- Stakeholder communication

DAVID WILLIAM OKIRIA

Software Engineer / Backend & Web Development

PROFESSIONAL PROFILE

Software engineer working across backend services, APIs, data workflows and digital products. Experience with remote engineering teams, website development and public-sector contract work, focused on dependable delivery and maintainable systems.

PROFESSIONAL EXPERIENCE

Contract Software Engineer

Ministry of ICT (Uganda) — *2025 · One-year contract*

- Supported application development, maintenance, testing and issue resolution for web and backend workflows.
- Contributed to documentation, system improvements and stakeholder coordination.

Web Developer / Software Engineer

Adbert Website Design — *2024 · Project engagement*

- Developed responsive websites, integrated content and implemented client-facing functionality.
- Handled testing, performance refinements, revisions and deployment preparation.

Software Engineer · Remote

Embark — *Jan 2022 – Present*

- Built backend services for vehicle logistics workflows processing 12,000 shipment events daily.
- Optimized Python/PostgreSQL queries, improving API response time by 38%; automated validation across five systems.

Software Engineer · Remote

MarketSmart — *Apr 2019 – Jan 2022*

- Developed lead-scoring capabilities that improved predictive-model precision by 21%.
- Refactored pipelines, reducing batch processing by 17 minutes per run; integrated CRM and analytics APIs.

Software Engineer Intern · Remote

Marketing Science Company — *Apr 2018 – Mar 2019*

- Built dashboards for 150+ advertising experiments and automated Python reporting, saving about six hours weekly.
- Investigated reporting anomalies and documented ETL and onboarding processes.

EDUCATION

Bachelor□s Degree in Software Engineering

Makerere University · Kampala, Uganda

SELECTED PROJECT FOCUS

Web platforms & WordPress • Backend APIs & integrations • Business applications • Data analytics & automation • E-commerce & technical SEO