

GEORGE KAHUGU

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 5+ years of experience building secure, scalable web applications using React, Python (Flask/Django), JavaScript, Java, and REST APIs. Experienced in Agile development, CI/CD, cloud-native workflows, and collaborating with distributed teams. Passionate about Web3, AI, backend systems, and creating reliable software with strong ownership, security, and performance. Continuously learning blockchain technologies and committed to delivering production-ready solutions. Engineered sophisticated e-commerce, human resources, and construction management platforms featuring generative AI integrations and secure local payment gateways.

CORE TECHNICAL SKILLS

- **Languages & Backend:** Java (Core & JavaEE), Python (Django, Flask), JavaScript (ES6+), Node.js (basic).
- **Databases & Integration:** Relational Databases (PostgreSQL, MySQL, Oracle SQL), RESTful API Design, JWT Authentication, AJAX.
- **DevOps & Tools:** Git, GitHub, CI/CD Pipelines (Jenkins), Docker, Virtual Machines, OpenShift, Agile/Scrum.
- **Frontend & Web:** React.js, Angular, TypeScript, HTML5, CSS3, Bootstrap, Tailwind CSS, SASS.

- **Specialized Knowledge:** AI/ML Training Environments, Generative AI APIs, Prompt Engineering, Hardware Simulation (Nand2Tetris), UI/UX Optimization.

PROFESSIONAL EXPERIENCE

GeorgieBuilt Technologies | *Founder & Lead Engineer January 2026 – Present*

- Engineered the core architecture and deployment pipeline for a bespoke technology consulting platform.
- Integrated automated background processes, database connections, and a real-time AI assistant utilizing generative AI APIs.

BuildIT Construction Platform | *Full-Stack Engineer May 2025*

- Architected a full-stack construction project management platform connecting clients with skilled builders to manage job postings, quotations, and active project workflows.
- Built customized client and contractor portals featuring dynamic job posting engines, and real-time messaging systems using React and Python REST APIs.

LuxeNest Living & Homeware | *Full-Stack Engineer May 2026 – July 2026*

- Architected a custom full-stack e-commerce web application using the Django framework.
- Developed an interactive front-end shopping cart, complex backend order processing, and secure localized checkout workflows integrating M-Pesa.

Job Deed App | *Back-End Developer April 2024 – June 2025*

- Strengthened expertise in API design and integration, database management, and application architecture, enabling the creation of highly efficient, secure and scalable backend systems.
- Designed and integrated RESTful APIs to enable seamless communication between front-end and backend systems.
- Implemented secure authentication and role-based access control using JWT.

- Enhanced system scalability by optimizing database queries for high-concurrency user environments.
- Collaborated on asynchronous request handling and AJAX-driven updates to improve application responsiveness.

HR Matic Solutions | *Front-End Developer July 2022 – March 2024*

- Designed and developed intuitive, responsive user interfaces that enhanced the user experience of HR management systems.
- Optimized application performance through lazy loading and code splitting, ensuring cross-browser stability.
- Integrated secure RESTful APIs with strict data validation protocols and JWT authentication.
- Participated in full Agile sprints, peer code reviews, and CI/CD deployment workflows to maintain high-quality metrics.
- Collaborated with UI/UX teams to prototype designs and tested technical feasibility for scalable user interfaces.

EDUCATION

- **B.S. in Computer Science** | University of the People (In Progress)
- **Certificate in Software Engineering** | Moringa School (2024)
- **Certificate in Artificial Intelligence Fundamentals** | Moringa School (2025)
- **Certificate in AI Career Essentials** | ALX Africa (Jan 2025 – July 2025)
- **Certificate in Information Technology** | Oshwal College / Pearson Institute (2018–2023)
- **Microsoft Office Specialist** | Office 365 (2022)

References: Available upon request