

JAMES DANIEL GITHAIGA

LinkedIn: [James Daniel](#) | Github: [James Daniel](#) | [Gmail](#) | WhatsApp: [James](#) | Portfolio: [James Daniel](#)

SUMMARY

Self-motivated Fullstack Developer and Software Development student at KCA University with a passion for building seamless, high-performance web applications. Proven track record in developing integrated systems for government and healthcare sectors, specializing in Python/Django, React and Node.js. Adept at data modeling and API orchestration within Agile environments.

SKILLS

Frontend Architecture: React.js (v19), JavaScript (ES6+), TypeScript, Vite, Tailwind CSS, Framer Motion.

Backend & Integration: Node.js, Express.js, Python/Django, RESTful APIs (Axios).

State & Database: Zustand, Redux Toolkit, Context API, MongoDB, MySQL.

DevOps & Tools: Git/GitHub, ESLint, PostCSS, Chrome DevTools, Postman (API Testing).

EDUCATION

Power Learn Project (PLP)

Certificate: Python and Database Development

Nairobi, Kenya

Graduation Date: Dec 2024

KCA UNIVERSITY

Bachelor of Science: Software Development

Nairobi, Kenya (Currently)

Graduation Date: July 2026

EXPERIENCE

Ministry Of Information, Communication and The Digital Economy (MOICDE)

Attachment

April 2023 - August 2023

- **End-to-End Development:** Developed a web-based IT Support Ticketing System, creating a seamless integration between a responsive frontend and a secure database backend.
- **Server-Side Logic:** Implemented Role-Based Access Control (RBAC) and secure authentication workflows, resulting in improved collaboration for interdepartmental support operations.
- **Problem Solving:** Troubleshoot and resolve critical logic bottlenecks using browser debugging tools, ensuring 99.9% uptime for the service desk module.
- **Collaboration:** Worked closely with stakeholders to translate complex requirements into a sophisticated, dark-mode-supported user interface.

PROJECTS

ETICKETING SYSTEM

GITHUB

Engineered a full-stack IT Support Ticketing System using PHP, MySQL, JavaScript and Bootstrap.

- **Database Tier Design:** Engineered a robust MySQL backend utilizing prepared statements and optimized schemas to ensure secure and efficient data retrieval.
- **Legacy Modernization:** Developed a PHP-based ticketing engine that bridges the gap between traditional government infrastructure and modern web standards.
- **Feature Integration:** Integrated interactive UI components and high-accessibility features (e.g., Dark Mode) into a traditional environment to improve the end-user experience.

- Security Engineering: Implemented industry-standard authentication protocols and password hashing to protect sensitive institutional data.

FRANATECH

GITHUB

Developed a mobile-first, responsive interface using HTML5, CSS3 and Bootstrap, specifically designed to enhance digital agency workflows.

- Performance Optimization: Achieved 90+ scores on Google Lighthouse by optimizing asset delivery and ensuring sub-2-second loading speeds across all devices.
- Interactive Design: Enhanced user engagement by integrating Framer Motion for fluid animations, while maintaining strict cross-browser compatibility.

HANSIMES

GITHUB

Developed a Django-based hospital management system to streamline clinic operations, patient communication and appointment handling.

- Backend Architecture: Engineered a robust Python/Django platform to centralize clinic operations, patient records, and appointment scheduling.
- Data Integrity & Modeling: Designed secure database structures to handle sensitive medical information, ensuring high-performance retrieval and storage.
- Security Orchestration: Implemented rigorous server-side validation and encrypted authentication protocols to maintain 100% data privacy and authorization integrity.

SOLEASE

ONGOING

Designing a high-performance MERN-based Ticketing System to automate IT support workflows and reduce resolution turnaround times.

- Frontend Engineering: Leveraging React 19 and Zustand to build a real-time dashboard for SLA monitoring and interactive data visualization.
- Backend Logic: Developing a scalable Node.js/Express API integrated with MongoDB to manage complex ticket lifecycles and trigger automated notifications.
- Data Orchestration: Implementing Axios for low-latency communication, ensuring seamless synchronization between the client-side UI and server-side data

GREATWALL

ONGOING

I am currently developing *Greatwall sentinel hub*, a decentralized energy management protocol designed to modernize the grid through blockchain-verified infrastructure and real-time AI insights

- High-Fidelity Frontend Engineering: Implementing a sophisticated UI using React 19 and Tailwind CSS, featuring custom-engineered components such as an ultra-minimalist "tinted-glass" mobile navigation system and responsive layouts.
- Advanced UX/UI Implementation: Leveraging Headless UI and Lucide React to build accessible, high-performance interface elements, ensuring seamless interaction across decentralized energy nodes
- Secure Web3 Authentication: Planning to integrate a blockchain wallet connectivity to facilitate secure user identity management and on-chain energy data verification for the Sentinel Dashboard.