

Wilson Mutua

Back-End Developer | Full Stack Developer

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Professional Summary:

Versatile and impact-driven Full Stack Developer with 3+ years of experience designing scalable, secure, and high-performing web applications. Skilled in React, Node.js, Django, RESTful APIs, and both SQL/NoSQL databases. Proven success in reducing deployment time by 50%, boosting query speed by 40%, and mentoring junior developers in Agile environments. Adept at integrating complex data sources and optimizing workflows for health and tech systems. Passionate about building clean, efficient code that drives innovation and enhances user experience in mission-driven and remote-first teams.

Technical Skills:

- Containerization & Orchestra, Responsive Design
- Cloud, Endpoint Security, Cryptography, NLP, IAM
- Front End, Back End Frameworks, Version Control
- Unit Testing and Debugging & Agile Methodologies
- Strategic Planning & Project Management, CRM, BI
- GraphQL, JavaScript, DevOps, Angular, FLASK, NestJS
- API Development, Web Servers & Deployment, Infura
- Ethical Hacking & Penetration Testing, MDM, Looker
- System Configuration, Process Simplification, SPSS
- Risk Assessment, & Policy Implementation, ETL, CSS
- Workflow Optimization, Digital Channel Optimization
- SQL, Ms. Power BI, Excel, Tableau, Jira, Client Success
- AWS Cloud Computing, Network Security, Compliance
- Machine Learning, R Programming Language, CIS, Web3
- Cultural Sensitivity, Asynchronous Working, Junit, Node
- G-Suites, Slack, React.js, Notion, Azure, Python, Asana

Professional Experience:

Software Engineer | Cobi Advanced Technologies Limited (July 2024 to date)

- Engineered full-stack web applications for 10+ clients by leveraging modern frameworks (e.g., React, Node.js, Django), improving delivery speed and user satisfaction by 40%.
- Designed and optimized scalable back-end architectures and RESTful APIs, integrating third-party services and streamlining data flow across diverse systems (CSV, Excel, JSON).
- Built and maintained relational and NoSQL databases (MySQL, MongoDB), improving query performance by 35% and ensuring data consistency across multiple environments.
- Automated CI/CD pipelines using GitHub Actions and Jenkins, reducing deployment time by 50% and enabling rapid iteration across development teams.
- Led junior developers on agile-based projects, championing clean code practices and unit/integration testing that increased system reliability and reduced bugs by 30%.

Senior Health Information Systems Developer | Health Strat Limited (August 2023 – June 2024)

- Developed and maintained scalable backend systems for health information platforms, enhancing system uptime and reducing support tickets by 25%.
- Wrote clean, reusable, and testable code with integrated unit and integration testing, improving deployment confidence and reducing post-release bugs by 40%.
- Designed and managed relational and NoSQL databases (e.g., MySQL, MongoDB), optimizing data storage and query performance across multiple systems.
- Integrated diverse data sources including RESTful APIs, Excel, and CSV files, streamlining workflows and improving data consistency across platforms.

- Led system lifecycle management, assigned development tasks, mentored junior developers, and enforced code quality standards, accelerating project delivery timelines by 20%.

Junior Health Information Systems Developer |Health Strat Limited (October 2022 – July 2023)

- Collaborated with stakeholders to gather and document technical requirements, ensuring development aligned with user needs and system objectives.
- Built and maintained scalable backend systems using reusable, testable code reducing system downtime and post-deployment bugs by 30%.
- Deployed and administered information systems across departments, implemented user access controls, and maintained secure system backups to ensure 99% uptime.
- Designed and optimized relational and NoSQL databases, improving data retrieval speed by 40% and enhancing data integrity across applications.
- Integrated diverse data sources APIs, Excel, CSV, and web services automating data flow and boosting reporting efficiency by 25%.

Education:

- Post Graduate Diploma |Software Engineering |Africa Leaders University
- Bachelor of Science |Information Technology |Dedan Kimathi University of Technology

Certifications:

- DevOps Essentials |Pluralsight
- Stakeholder Management |Alison
- Cloud Essentials |Amazon Web Services
- Web3 and Blockchain Bootcamp |Moralis Academy
- Certified Blockchain Developer |Blockchain Council
- Introduction to Decentralized Finance (DeFi) |Alison
- Diploma in AWS Solution Architect - Associate |Alison
- Customer Experience: Journey Mapping |LinkedIn Learning
- Diploma in Blockchain Technology and Applications |Alison
- Learn React & Angular Step by Step: Building Projects - Udemy
- Ethereum and Solidity: The Complete Developer's Guide |Udemy
- Learn to Build Interactive Modern Web Apps with Angular – Udemy
- The Complete DeFi - Decentralized Finance - Industry Labs – Udemy
- Building Interactive Web Interfaces with Angular |LinkedIn Learning
- Project Management Principles and Practices Specialization |Coursera
- The Non-Technical Skills of Effective Data Scientists |LinkedIn Learning
- Huawei Certified ICT Associate – Routing & Switching |Huawei Academy