

BRIAN WANGILA MULATI

Full-Stack Software Engineer

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Location:Nairobi,Kenya

WORK EXPERIENCE

Devlogic Softwares LTD(aviator251)

Full-stack developer(@viator251.com)

Nairobi,Kenya(Remote)

Feb 2024 - Mar 2025

- Developed high-quality, responsive web applications using Next.js, TypeScript, NodeJS, Javascript, and React, featuring an intuitive UI design and RESTful services, implementing SSR, resulting in 30% quicker bet processing times compared to earlier software iterations.
- Created robust user authentication protocols and secure RESTful APIs using NestJS and API Gateway, enhancing security measures and safeguarding over 10,000 customer profiles against unauthorized access while ensuring a seamless login experience across devices.
- Implemented comprehensive changes within the existing payment framework, integrating a new Payment Gateway Integration system, leading to noticeably faster Transaction Processing speeds and ensuring over 90 positive reviews highlighting enhanced consumer reliability on financial operations through improved UX design principles.
- Orchestrated the provisioning of MySQL and PostgreSQL databases for Backend Systems, including Python scripts for automation, within AWS RDS, leveraging cloud-scale infrastructure and implementing stringent security measures that resulted in a remarkable 99.9% uptime rate over a six-month period through precise configuration management practices, enabling Application Scaling to handle increased traffic.
- Formulated precise expenditure guidelines for managing an annual \$36,000 cloud budget in AWS while implementing best practices that ensured uninterrupted access to key infrastructural components over 12 months.
- Coached one developer and established a mentorship program in the organization.
- Streamlined AWS cloud resources using Terraform within AWS Web Services, ensuring cost-effective solutions while achieving a remarkable uptime of 99.9%, enabling uninterrupted service delivery for all critical applications throughout the year.
- Devised Secure software design principles throughout the development lifecycle, resulting in a 99.9% uptime rate and zero security breaches.
- Analyzed usage patterns within the organization's cloud environment, performing Performance Diagnosis and Troubleshooting to identify critical areas for efficiency improvements, resulting in securing zero downtime incidents during peak traffic periods over six months.
- Performed thorough testing and troubleshooting of applications to ensure high-quality deliverables, resulting in 10% reduction in bug reports.
- Collaborated with cross-functional teams using Agile methodologies and Scrum framework, leveraging Git for version control, consistently delivering projects on time and within budget.
- Implemented CI/CD pipelines using Git and Docker for automated testing and deployment, reducing deployment time by 10%.
- Utilized Jest testing framework to ensure high-quality code and reduced bug reports by 20%.

Eclectics International

Nairobi,Kenya(Remote)

Full-stack developer Intern

Nov 2023 - Feb 2024

- Developed and maintained internal documentation using React and Redux, improving developer onboarding by 30% and reducing support tickets by 20%.
- Conducted thorough Quality Assurance testing, identifying and resolving 40% of the bugs, resulting in 20% reduction in production issues.

Taquana LTD
Full-stack developer

Nairobi,Kenya(Remote)
Feb 2021 - Oct 2023

- Crafted robust web applications utilizing React.js, NodeJS and Typescript; implemented strategic REST API endpoints and reusable and modular components that drove a remarkable increase in user engagement metrics exceeding 30% during project lifecycles.
- Initiated database query streamlining efforts through MongoDB techniques, resulting in Efficient DB Queries achieving measurable results including a remarkable 40% cutback in latency experienced by over 5,000 daily users seeking reliable booking solutions.
- Architected a modular Microservices structure leveraging NodeJS and Typescript, defining data models and business logic along with Git integration; empowered teams to deploy new features bi-weekly instead of the previous monthly cycle.
- Devised innovative caching strategies and high-load optimizations using concurrency techniques, leading to substantial improvements in response speeds across all endpoints while handling considerable volumes of simultaneous requests from thousands of traveling customers every single day.
- Implemented database migrations and refactoring efforts, resulting in a 5% improvement in database performance and reduced downtime.
- Explored the feasibility of integrating Flask into existing microservices architecture, resulting in 10% improvement in API response times.

EDUCATION

University of Eastern Africa, Baraton

Degree: Bachelor's

Year: Aug 2019 - Aug 2023

Major: Software Engineering

Cumulative GPA: 3.37/4.00

SKILLS

- **Frontend Frameworks:** HTML, CSS, Javascript, React.js, NextJs
- **State Management:** Redux, Context API
- **Testing Frameworks:** Jest, Cypress
- **Cloud Platform:** AWS(S3, ECS, API Gateway, Lambda, Route 53, CloudWatch), Microsoft Azure
- **DevOps:** Terraform, Docker, Git, GitHub, Linux
- **Version Control:** Git, GitHub
- **Database :** PostgreSQL, MongoDB, MySQL
- **Back-End Development:** Django, Flask, Node.js, Express, NestJs.
- **Caching Technologies:** Redis

OPEN SOURCE CONTRIBUTIONS

Paystack - Open Source Payment Solution ([React-Paystack](#)) | December 10, 2023

- Resolved a critical issue in the React-Paystack open-source library that hindered user access to TypeScript data type definitions, enhancing usability for over 10,000 developers and fostering community engagement.

PROJECTS

Collaborative Google Docs Clone (<https://wordui.vercel.app/>)

- Devised a feature-rich collaborative document editing application using React and Next.js for the frontend and Tailwind CSS with sharden for sleek and responsive design.
- Innovated an efficient user authentication framework with Clerk, establishing secure logins that safeguarded sensitive data for 2,000+ users while achieving zero reported breaches since deployment.
- Refined the collaborative document editing process through implementation of Liveblocks, enabling seamless interaction among team members that led to a marked 40% increase in efficiency during project execution phases.
- Implemented a responsive web application using React, JavaScript, HTML, and CSS, leveraging CSS Frameworks (Tailwind) for Responsive Design, integrating with a robust design system to ensure a seamless user experience and implementing RESTful services for efficient data exchange.