SHALON NJERI NGIGI | Software Engineer

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PROFESSIONAL SUMMARY

Full-stack Software Engineer with 7 years of experience building scalable web applications using React, React Native and Node.js. Skilled in system design, DevOps, and cross-functional collaboration.

WORK EXPERIENCE

Software Engineer 2, Microsoft (Oct 2021 - Current)

- Built UX-focused features in React and React Native for Microsoft Search and Windows, streamlining user workflows and enhancing usability for millions of users worldwide.
- Redesigned a core authentication flow to resolve a major security vulnerability, significantly improving system integrity and user data protection.
- Enhanced accessibility (a11y) by implementing semantic HTML, ARIA attributes, and keyboard support.
- Implemented structured logging and monitoring using Kusto queries, Grafana dashboards, and Azure DevOps alerts, improving incident response and debugging efficiency.

Software Engineer, ProdPerfect (Oct 2019 - Oct 2021)

- Built and deployed a user interaction dashboard with React and Python, alongside automation scripts for test configurations, reducing QA lead times and boosting developer productivity.
- Led a team of engineers to develop test solutions, increasing the customer base by 20%.

Software Engineer, Andela (Oct 2018 - Oct 2019)

- Designed and built a technical assessment application for recruitment screening, cutting recruitment costs by over 90%.
- Trained and mentored multiple teams of junior engineers in full-stack application development, impactfully accelerating their development skills.

SKILLS

- **Frontend:** React, React Native, TypeScript, Next.js
- **Backend:** JavaScript (TypeScript, Node.js, Nestjs), Python, Golang
- **Databases:** PostgreSQL, MongoDB
- **Testing Tools:** Jest, Playwright, TestCafe, Cypress
- **DevOps Tools:** Git, CI/CD, Docker, Kubernetes, GCP, AWS, Azure, Grafana, Kusto

EDUCATION

- **Master of Science: Information Technology** *(Sept 2020 - May 2024)*
  Carnegie Mellon University
- **Bachelor of Science: Computer Science** *(Sept 2014 - Nov 2018)*
  Jomo Kenyatta University of Agriculture and Technology, Kenya