Helen Kilolo

Full Stack Software Engineer

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As a seasoned Full Stack Engineer with deep proficiency in JavaScript/TypeScript, Python, and Node.js, I am enthusiastic about leveraging my technical skills across diverse sectors. With a proven track record in developing robust and scalable applications, coupled with a keen interest in AI tools and APIs, I am well-prepared to make meaningful contributions to cutting-edge projects.

EXPERIENCE

Full Stack Developer   Remote

VeniCodiVici.com   Apr, 2024 - Present

Development and Maintenance:
Oversee the entire lifecycle of the quiz app's web version.
Develop and maintain the app using ReactJS and NodeJS (MERN stack).
User Feedback and Bug Reports:
Manage and address user feedback and bug reports through Jira.
Deployment and Configuration:
Configure servers and implement HTTPS.
Orchestrate smooth transitions to production environments.
Collaboration:
Work closely with backend and mobile teams to ensure a cohesive user experience.
User-Centric Focus:
Ensure the app is user-friendly and meets user needs effectively.

Software Engineer   Nairobi, Kenya

ALX AFRICA   Jul, 2023 - Jun, 2024

Full-Stack Development Projects: Designed and developed complete web services, integrating databases, back-end, and front-end technologies.
Unix System Programming: Gained proficiency in Unix systems, including scripting and understanding system internals.
Collaborative Projects: Worked alongside peers on complex software projects, contributing to both coding and project management.
Technical Mentorship: Engaged with technical mentors to refine coding practices and gain insights into advanced software engineering concepts.
Community Engagement: Actively participated in the ALX community platform, helping peers and sharing knowledge.

Software Engineer   Nairobi, Kenya

Cellulant Kenya Ltd   Aug, 2022 - Aug, 2023

Key Responsibilities

- Develop and maintain the single API payments platform.
- Integrate mobile money, local and international cards, and banking systems.
- Design and optimize secure, reliable payment processing systems.
- Implement security measures to protect financial data and prevent fraud.
- Build and maintain scalable backend services for high-volume transactions.
- Optimize database interactions and ensure data integrity.
- Develop user-friendly interfaces for merchants and consumers.
- Ensure responsive design and cross-browser compatibility.
- Integrate the payment platform with third-party services and banking systems.
- Develop middleware for smooth data flow between systems.
- Monitor and optimize platform performance for low latency and high availability.
- Conduct load testing and implement caching strategies.
- Provide technical support for integration issues and resolve technical problems.
- Debug and troubleshoot payment system issues to minimize downtime.
- Implement and maintain security protocols to safeguard transaction data.
- Work with product managers, designers, and other engineers to deliver high-quality solutions.

EDUCATION

Computer Software Engineering   Nairobi

Holberton School_ ALX AFRICA   Jul, 2023 - Aug, 2024

Computer Science Fundamentals + Specialization in Backend Developments, algorithms and system engineering

PROJECTS

Project Title: salonsavvyke

Description: Developed a comprehensive salon booking platform that streamlines the appointment scheduling process for both clients and salon owners. The platform includes features such as real-time booking, service selection, stylist preferences, and integrated payment options.

Key Features:

- Real-Time Booking: Allows clients to view available time slots and book appointments instantly.
- Service Selection: Users can browse through a variety of services offered by different salons and select their desired services.
- Stylist Preferences: Clients can choose their preferred stylist based on ratings and reviews.
- Integrated Payments: Secure payment processing integrated within the platform to handle transactions.
- User Profiles: Both clients and salon owners have personalized profiles for managing appointments and services.
- Notifications: Automated reminders and notifications sent to clients and salon staff to ensure smooth scheduling.

Technologies Used:

- Frontend: ReactJS for a responsive and dynamic user interface.
- Backend: NodeJS and Express for server-side operations and API management.
- Database: MongoDB for storing user data, bookings, and salon information.
- Deployment: Hosted on AWS with server configuration and HTTPS implementation.

Impact:

- Increased booking efficiency and customer satisfaction.
- Enhanced salon management capabilities.
- Improved user engagement through personalized services and streamlined payment processes.

https://github.com/helenkilolo/salonsavvyKe_salon

SKILLS

HTML/CSS JavaScript Front-end Frameworks (e.g., React) Responsive Design Back-end Languages, Python(Flask FastAPI), Javascript, MySQL / PostgreSQL / MongoDB / NoSQL, Comfortable in Linux Environment, Git & Github, Web servers: Nginx & Apache, Collaboration tools: trello & Slack

LANGUAGE

IELTS CERTIFIED 2023 Score 6

REFERENCES

Kelvin Kamande - *Technical Mentor*   **Cynthia Kyalo** - *Web developer*

ALX AFRICA   Cellulant

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