Kyalo Kitili

kyalo.blog
Nairobi, Kenya

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Experience

Full Stack Developer   **Ninjabet.it**, Remote (EU/Italy)   **Mar 2024 - Present**

- Architect, design, develop, deploy, and maintain a scalable sports betting platform using a modern tech stack.
- Optimize front-end architectures to develop scalable and maintainable codebases and craft seamless user experiences using React.js, Astro.build, Zustand, TailwindCSS, etc.
- Integrate APIs by connecting front-end components with back-end services using RESTful and GraphQL APIs and Python (API/Rest/Django).
- Develop back-end services in Django on top of MySQL databases.
- Conduct code reviews and mentor junior developers to maintain high-quality code standards.
- Deploy and manage applications on the AWS cloud platform, ensuring scalability, performance, and security.
- Implement testing strategies to deliver high-quality, bug-free code.

Product Engineer   **Akili Ventures Inc**, Remote (US, Poland)   **Nov 2022 - Jan 2024**

- Spearheaded feature development for a fintech application, focusing on web interfaces with React.js and mobile applications using React Native/Expo.
- Engineered robust APIs in the backend using Node.js.
- Successfully implemented extensive offline support features, significantly improving app resilience and user experience.
- Conducted comprehensive bug identification and resolution, ensuring smooth application performance and user satisfaction.
- Developed an additional product by integrating Shopify APIs and Google Pub/Sub for enhanced functionality.
- Led the complete development of Android applications leveraging React Native, Tailwind CSS, and Firebase.
- Actively participated in candidate screening processes for recruitment.

Frontend Engineering Consultant   **AEROMETREX**, Remote (Australia)   **Dec 2021 - Oct 2022**

- Developed features for and maintained a web-based mapping and data visualization platform.
- Learned and contributed using Angular.io, despite initial lack of experience.
- Implemented a new, complex user interface for a mapping application.
- Collaborated with product managers, designers, and backend developers.
- Authored and updated technical documentation, and enhanced test coverage to over 75%.
- Mentored and trained junior front-end engineers, fostering team skill development.
- Assisted in triaging and resolving critical bugs, ensuring platform stability.
- Delivered key features and enhancements, boosting platform performance and usability.

Software Engineer   **TrendPro Systems Ltd**, Nairobi, Kenya   **Jan 2015 - Oct 2021**

- Founded trendpro.co.ke, a web and mobile apps development and design company in Nairobi, Kenya.
- Worked with clients to formulate specifications for features/products.
- Handled the design, front-end architecture, development, code review, and testing of web and Android applications.
- Developed and shipped web and mobile applications (React and React Native experiences/applications), from UI to services.
- Ensured that non-functional requirements such as security, code reuse, and performance (especially hunting down/preventing memory leaks from React/React-Native components & ensuring PWA lighthouse score is above 90%) are considered when developing web solutions.
- Collaborated with team members, stakeholders, and customers' development teams to help beat product launch deadlines.
- Managed projects from concept to production, including proposal, discussion, and execution.

Frontend/Mobile Developer   **Lori Systems**, Nairobi, Kenya   **Mar 2019 - Dec 2019**

- Spearheaded the front-end development of a key internal web application using React.js, ensuring efficient, user-friendly interfaces.
- Led the development of a client-facing Android application with React Native, focusing on responsive and intuitive design.
- Collaborated closely with the Product Management team to align development goals with business objectives and user needs.

Software Engineering Volunteer   **EBAFOSA**, Nairobi, Kenya   **Dec 2018 - Mar 2019**

- Volunteered to develop a climate action web application, EBAgroPamoja, linking actors in the agro-value chain to opportunities and clean-energy solutions for ebafosa.org.
- Designed, architected, and wrote the front-end of their eCommerce application using React.js with hundreds of reusable components.

Education

B.Sc. in Computer Science   **JKUAT**   Nairobi, Kenya   **April 2011 - Dec 2014**

Skills

Programming Languages: JS JavaScript, Python, TS TypeScript, HTML / CSS
Frameworks and Tools: React.js, React Native, Node.js, Django, GraphQL, RESTful APIs, AWS, Firebase, Astro.build, TailwindCSS, Zustand
Cloud Platforms: AWS (Lambda, LightSail, Cognito, S3, Route53, RDS, EC2), Google Cloud (Functions, Pub/Sub)
Testing and Version Control: Jest, React Testing Library, Git
Databases: MongoDB, Cloud Firestore, MySQL
Languages: English (Proficient)

Certifications

- **Divide and Conquer, Sorting and Searching, and Randomized Algorithms** – Coursera
- **Graph Search, Shortest Paths, and Data Structures** – Coursera
- **Greedy Algorithms, MSTs, and DP** – Coursera
- **Graph Theory Algorithms** – Udemy