EZEKIEL CHARO

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PROFESSIONAL SUMMARY

Software engineer with over 4 years of experience building scalable web apps using ReactJS, Angular, VueJS, among other technologies. Currently at Zeraki, developing Zeraki Finance, a school accounting solution used by over 1,000 schools to serve more than 100,000 students across East Africa.

SKILLS

- Languages: TypeScript, JavaScript, Python, PHP.
- Frameworks: React, Next.js, Angular, Vue.js, Express.js, Laravel, Django.

WORK EXPERIENCE

Software Engineer, Zeraki - Nairobi, Kenya   **May 2021 - Present**

- Led the front-end development of Zeraki Finance and some internal tools using Angular and React.
- Collaborated with designers to deliver modern responsive interfaces that drove user growth from less than 100 to more than 1000 schools.
- Engineered a scalable front-end architecture using lazy-loading and robust state management (Akita), improving load times and responsiveness by 30%.
- Improved application security by implementing reCAPTCHA, input validation, and RBAC, reducing attack vectors and ensuring secure user access.
- Set up automated testing and deployment pipelines, enabling a fast release cycle and continuous delivery.
- Architected offline-first capabilities and client-side caching with RxDB, enhancing UX in low-connectivity environments and reducing server load.

OPEN SOURCE CONTRIBUTIONS

ng-bootstrap (Angular UI library) - PR #4845 – Add "Copy to clipboard" functionality • Issue #4826

- Implemented a global "Copy to clipboard" feature for code snippets across the official ng-bootstrap documentation site, leading to improved developer experience.
- Collaborated with project maintainers, followed contribution guidelines, and responded to review feedback to ensure code quality and maintainability.

PROJECTS

Zeraki Finance - finance.zeraki.app

An accounting software solution used by schools for collecting school fees, managing expenses, and preparing financial reports.

Ease - Point of Sale - ease-pos.web.app

A multiplatform(Android and web) Point of Sale web application with multi-user support and role-based access control.

EDUCATION

Masinde Muliro University of Science and Technology   **BSc. Information Technology**   **2015 - 2019**

- Coursework: Data Structures & Algorithms, Software Design Principles, and Programming Languages.