ALLAN SIMOYI

+263 779 528 194 | allansimoyi@gmail.com | linkedin.com/in/allan-simoyi | github.com/Allan0x0 | allansimoyi.com

EDUCATION

Bachelor of Commerce in Information Systems   Mar 2018 - Apr 2022
Midlands State University   *Gweru, ZW*
- **Dissertation:** Machine Learning Based License Plate Recognition Mobile App
- **Relevant coursework:** Programming, Database design, Operating Systems, Simulation and Modeling, Management Information Systems, Data Communications and Networks.

EXPERIENCE

Lead Software Engineer   Dec 2022 - Present
Road Rules Solutions   *Harare, ZW*
- Led the design and launch of a provisional driving license platform using Electron, resulting in a partnership with the Traffic Safety Council of Zimbabwe.
- Built integrated web applications for test preparation, administration and analytics for operational reliability.
- Implemented system testing and deployment pipelines with Vitest and React Testing Library, improving turnaround time, UX reliability and bug detection.
- Refactored under-performing legacy PHP KYC services, integrated React, implemented web standards, boosting API performance by 40%.

Full Stack Software Engineer   Apr 2021 - Dec 2022
TBGA Consulting Group   *Harare, ZW*
- Led feature development end-to-end, including requirements gathering, design, implementation and performance monitoring.
- Created a PNPM workspace-based monorepo to simplify development and better support A/B & multivariate marketing experiments.
- Designed & implemented a modular internal CRM platform and data pipeline, ensuring predictability and scalability across 200+ client accounts.
- Implemented monitoring and an alerting pipeline for key processes, reducing downtime by 30% and minimizing incident response times from several hours to under 1 hour.
- Implemented automated system testing and documentation standards to increase maintainability and collaboration.

PROJECTS

MakeMyPDF | *TypeScript, React, NextJS, Playwright, OpenAPI, MySQL, Prisma, Tailwind, GPT-4*   June 2025 - Present
- Built an API that developers can use to generate pixel-perfect PDFs from an HTML string or URL.
- The product generates an automatic table of contents, header, footer and page numbers too.
- Built it to help automate the generation of custom reports to be archived, get previews of any website and for integration with other pipelines. This was also a solution to an integration problem I faced during my work on Property267.

Property267 | *TypeScript, React, NextJS, PostgreSQL, Prisma, Tailwind, Cloudinary*   May 2023 - Aug 2023
- Wrote the first version of the platform in Angular and RxJS to establish a stable structure for fellow developers.
- Codebase migrated to Remix to effectively implement progressive enhancement following user feedback and considering internet speed issues.
- Used cloudinary to store and compress property images to enable fast and load times and responsive design.

QuickLoans | *TypeScript, Go, PostgreSQL, React, Zustand, Tailwind*   Oct 2021 - Nov 2021
- A web-based loan application and interest comparison platform for Zimbabweans.
- Built it in a couple of months to better connect several microfinance lenders to prospective customers.
- Automates a custom credit rating according to lender activity on the platform. Implemented an algorithm to best match loan seekers to lenders best suited to them.

SKILLS

Languages: TypeScript, JavaScript, PHP, .NET, Go, C, C++, Java, HTML/CSS, HTMX, SQL, Bash

Frameworks & Libraries: Node.js, Next.js, Remix, React, Angular, React Native, Expo, Electron, tRPC, Tanstack Query, Express, Prisma, Redux, Zustand, Tailwind

Tools: OpenAI API, Linux, Git, DNS, PNPM, Turborepo, Docker, PostgreSQL, SQLite, MySQL, VSCode, Makefile, CI/CD, Playwright, Cloudinary