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Harare, Zimbabwe
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TREVOR MAKAUSI

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KEY SKILLS

- **Programming Languages:** JavaScript, TypeScript
- **Front-End Frameworks:** ReactJS, NextJS, Meteor JS
- **Back-End Development:** NodeJS, Express, REST
- **Tooling and Workflow:** ESLint, Prettier
- **Mobile Development:** React Native
- **DevOps:** Version Control - GIT, Github, CI/CD, Gitlab, Docker
- **Front-End Development:** HTML5, CSS, TailwindCSS
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Data Fetching and Caching:** TanStack Query, Axios, Fetch API
- **State Management:** Context API, Zustand
- **SEO and Analytics:** SEO, Google Ads, Google Analytics, Google Tag Manager
- **Object-Relational Mapping (ORMs):** Prisma, Drizzle
- **Testing:** React Testing Library, Jest, Playwright

PROFESSIONAL EXPERIENCE

TherapyRoute.com – Software Engineer; Harare (Remote)

May 2023 – Present

As a software engineer, I lead the development of key new features, address legacy technical debt, and ensure continuous performance and availability for a global user base. My role spans, integrating new functionality, overseeing the strategic migration of the platform to a modern stack and optimizing for performance and Core Web Vitals to ensure optimum service delivery to users

Legacy Stack – Meteor JS, Gitlab, Cloudflare, Cloudinary, Prerender, Google Analytics, AWS CloudFront

- **Developed regional-based pricing** using PayPro Global API, doubling paid user base and revenue
- **Enhanced Core Web Vitals** increased scores by an average of 10-15%, achieving a 95+ average, improving load speed by 10%.
- **Integrated new admin dashboards** to monitor key business metrics.

Current Major Task

Currently transitioning to Next.js, prioritizing feature parity before integrating performance and AI-driven enhancements.

Stack – Next.js, TailwindCSS, MongoDB, ShadCN, Vitest, Playwright, NextAuth, Storybook, Cloudinary

Mantrey Smartcare – Front-End Developer; Harare

January 2021 – April 2023

Specializing in developing single page applications using React and backend applications in NodeJS and Firebase. Collaborating with the team to identify and implement new features, writing clean and efficient code, testing and debugging software and ensuring project were delivered in time and to a high standard

Stack – TypeScript, ReactJS, React Native, NodeJS, Express, Jest, Supertest, React Testing Library, REST

- Developed and delivered on average 5 new features for the single-page applications in React, resulting in a 30% average increase in user engagement and a 15% average increase in user retention.
- Designed and developed a mobile application in React Native with over 10 000 monthly users, generating monthly revenue from ad-based and subscription models.
- Successfully integrated and deployed NodeJS and Firebase backend applications, improving system performance by 20% and reducing server response time by 50%.
- **REST:** RESTful APIs to enhance communication between frontend and backend, ensuring efficient data retrieval and management.
- **Jest, Supertest, React Testing Library:** Implemented comprehensive testing strategies using Jest, Supertest, and React Testing Library to ensure the reliability and stability of the applications and in some cases a Test Driven approach was used.

Harare Institute of Technology – Academic Dean/Chairperson/Lecturer; Harare *August 2013 – December 2021*
As a teaching assistant and lecturer, I had the opportunity to share my knowledge and passion for computer science and software engineering with students from diverse backgrounds. As a chairperson and academic dean, I focused on promoting academic excellence, fostering innovation, and preparing students for successful careers in the fast-paced and ever-changing world of technology, providing a solid foundation for a transition to a technical role in industry.

- Led the effort to introduce new bachelor's and master's degree programs to cater for national development agenda, which led to a substantial rise in the number of graduates in key knowledge areas.
- Reduced student attrition by 88% in all programs through the implementation of effective mentoring and coaching programs.
- Increased staff retention by 70% by fostering a positive work culture and implementing professional development opportunities.
- Increased the number of publications by 92% by promoting a culture of research and staying current with domain-specific knowledge.
- Achieved the top position in Zimbabwe for Science, Technology, Engineering, and Mathematics education, resulting in our graduates being highly sought-after by top companies in the industry.

Webdev Zimbabwe – Web Developer Intern; Harare *August 2011 – May 2012*
Responsible for creating and maintaining visually appealing and functional websites using HTML, CSS, and JavaScript, with a focus on WordPress.

Stack – PHP, HTML, CSS, JavaScript, WordPress, Joomla

- Successfully built and launched a number of websites using WordPress, resulting in 80% increase in client satisfaction and retention.
- Optimized website performance by implementing website speed and performance testing tools, resulting in an average website load time of 2 seconds.
- Optimized websites for cross browser compatibility (Internet Explorer) increasing customer satisfaction by 78%.
- Developed and implemented responsive design strategies, resulting in a 90% increase in website traffic from mobile devices.
- Collaborated with cross-functional teams to ensure timely delivery of website projects, resulting in a 60% increase in on-time project delivery.
- Maintained websites' security and minimized downtime by regularly updating WordPress and plugins, resulting in an 85% decrease in website hacking incidents.

CERTIFICATIONS

AWS Certified Cloud Practitioner	<i>December 2021-December 2024</i>
Microsoft Azure Fundamentals	<i>Present</i>
Microsoft Data Azure Fundamentals	<i>Present</i>
Microsoft Azure AI Fundamentals	<i>Present</i>

EDUCATION

Harare Institute of Technology – Bachelor of Technology Computer Science (First Class) *August 2009 - July 2012*
Honors: Telecel Zimbabwe Best Graduating Student in Web Programming and Mobile Networks
Webdev Zimbabwe Best Graduating Student in Web Programming

Daejeon University – Computer Science Exchange, Daejeon, South Korea *August 2012 - July 2013*

Soongsil University – Master of Engineering Global ICT, Seoul, South Korea *August 2014 - Dec 2015*
Concentrations: ICT Management and Public Policy