

Tatenda Marufu

Senior Software Engineer

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EDUCATION

University of South Africa, Bachelor of Business Informatics

01/2012 – 12/2015

EXPERIENCE

Senior Software Engineer 06/2020 – Present EcoCash Hodlings Harare, Zimbabwe

- Led a team of 10 developers to design and implement a responsive Angular micro-frontend application using Nx Monorepos with state Management and Standalone Components, focusing on modularity and reusability, leading to a **30%** reduction in code duplication.
- Engineered and maintained **50+** modular and reusable React components using TypeScript Hooks and Redux within a Micro-Frontend Architecture improved load times by about **25%** and enhanced code reusability across **3** B2B projects.
- Implemented robust Rest Api integrations and security practices in react and angular web applications development that decreased vulnerability exposure by **50%** in our software releases.
- Design CI/CD pipelines using Docker, Docker Compose, and Jenkins, which reduced deployment time by **50%**, and facilitated frequent feature releases.
- Drove process improvements in the Agile development cycle that heightened team productivity by **35%**, delivering projects on an average of **15%** ahead of schedule.
- Led the development and collaborated on multiple complex projects and high-performance web applications from conception to deployment. Focused on creating scalable, efficient, and secure solutions that meet business requirements while ensuring optimal User Experience
- Strong Knowledge of NodeJS, ExpressJS, and databases(MongoDB, MYSQL, and PostgreSQL).
- Experience in configuring and managing Amazon Cloud Services, EC2, S3, EBS, ELB, Elastic IP, RDS SNS, SQS, Glacier, IAM, VPC, Cloud Formation, Lambda, Cloud Front, Route53, Cloud Watch.
- Engaged in rigorous code reviews and pair programming sessions, resulting in a **30%** improvement in code quality metrics such as reduced defect density and increased code maintainability. Shared best practices led to a **20%** enhancement in team-wide coding standards adherence. With an improvement in the team's communication and collaboration.

Software Engineer - Junior 01/2018 – 03/2020 Ecosure/Econet Life Harare, Zimbabwe

- Took part in the development of a scalable Multi-Tenant Monorepo Architecture using Angular 15 and Nx, achieving enhanced code reusability and scalability across multiple insurance projects spanning **5** countries (Lesotho, Ghana, Burundi, Botswana, and Zimbabwe). This architecture streamlined development efforts, with a **30%** reduction in time-to-market for new features and a **20%** improvement in overall development efficiency.
- Authored comprehensive documentation that increased team efficiency by **25%**, facilitating knowledge sharing and reducing onboarding time for new team members by **40%**.

Software Developer - Intern 01/2016 – 11/2018 Uncommon Harare, Zimbabwe

- Led a mentorship program for individuals without prior software development experience, guiding them to become proficient beginners. The program resulted in **80%** of participants acquiring fundamental coding skills within 3 months, with **50%** continuing to contribute actively to development projects.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: JavaScript, Python

CLIENT-SIDE SKILLS: React, NextJS, Angular, AngularJS Redux, NgRx, Rxjs, MFE Architecture, Webpack 5 React and Angular Micro-Frontend, NX Module Federation, CSS3, SCSS, HTML5, LESS

SERVER-SIDE SKILLS: NodeJs, Express, Flask, PostgreSQL, MySql, MongoDB, AWS. AWS Lambda, Microservices

LIBRARIES & TOOLS & OTHERS: MVC Frameworks, Docker, Docker Compose, Jenkins, Git, GIT CI/CD, Agile Development, Mocha, Jest, Linux, object-oriented programming(OOP), event handling, DOM manipulation, asynchronous programming, Communication, Teamwork

PROJECTS

User Management | Nodejs, Express, PostgreSQL, JWT

- Developed a Node.js application using Express for backend services, integrating Sequelize as an ORM to interact with PostgreSQL Database
- Designed and implemented a scalable user authentication system that improved security through the use of JWT. The project facilitated seamless integration with external APIs for enhanced data processing capabilities