

Matt Young

SOFTWARE ENGINEER

Newlands, Cape Town, South Africa

Summary

Experienced, self-driven, ambitious. I'm a passionate Full-Stack Software Engineer with a relentless commitment to achieve excellence. With a strong foundation in Software Engineering principles, web development practises, and micro-service architecture, as well as a keen enthusiasm for continuous learning, I strive to consistently deliver high-quality solutions that exceed expectations of both customers and internal stakeholders alike. My unwavering determination to excel in the field readies me to tackle complex software challenges to drive success in any Software Engineering role.

Experience

ACI Worldwide

Knysna, South Africa

SOFTWARE ENGINEER — MERCHANT CONTROL CENTER (MCC)

Nov. 2021 — Present

- Acted as the Angular 16 subject matter expert (SME), facilitating remote onboarding for Architect Engineers in Pune, India.
- Spearheaded the implementation of dynamic UI forms generated from JSON Schema specifications provided by our API.
- Pioneered enhancements to the end-to-end testing framework using Cypress and Jenkins, resulting in an improved regression testing pipeline. This initiative also produced valuable artifacts for enhanced vulnerability and defect tracking.

ACI Worldwide

Cape Town, South Africa

ASSOCIATE SOFTWARE ENGINEER — TERMINAL MANAGEMENT SYSTEM (TMS)

Jun. 2019 — Oct. 2021

- Handpicked to conceive, design, and develop a cutting-edge Terminal Management System SPA using Angular and TypeScript, integrated with RESTful Docker micro-services powered by Spring Boot. Strictly followed Domain-Driven Design principles, prioritizing robustness, efficiency, scalability, and maintainability.
- Collaborated seamlessly across multiple teams to deliver a seamless transition from legacy software to our modern web-based solution while maintaining data integrity and consistency.

ACI Worldwide

Cape Town, South Africa

ASSOCIATE SOFTWARE ENGINEER — PAX PED DEVELOPMENT

Feb. 2019 — Jun. 2019

- - Innovated and delivered enhanced device driver functionality for PAX Pin Entry Devices in collaboration with Product Owners and stakeholders, surpassing user and business expectations.

Skills

Professional

Web Frontend (4 years) Angular 16, Javascript, Typescript, node.js, HTML5, [S]CSS

Web Backend and RESTful APIs (4 years) Springboot Java, PostgreSQL, Kafka, Python

Architecture and Microservices (4 years) Docker, Docker-Compose, Gradle, Git

Regression Testing (4 years) JUnit, Cypress, Protractor, Karma, Jenkins

Miscellaneous AWS (EC2, Elastic Map-Reduce), Postman

Casual

Web Frontend React, Webpack, Babel, ESLint, nginx

Mobile Flutter, React Native

CI-CD/Deployment App Store, Play Store, GitHub Actions, Web servers1

Education

* **University transcripts available upon request.**

University of Cape Town

Mar. 2015 — Dec. 2018

B.Sc (HONS) IN COMPUTER SCIENCE

- Compiler Theory
- High Performance Computing
- Human-Computer Interaction
- Intelligent Systems (AI)
- Big Data Analysis
- Functional Programming

B.Sc in Computer Science and Computer Game Development

Feb. 2015 — Nov. 2017

UNIVERSITY OF CAPE TOWN

- In-depth knowledge of Object-Oriented Programming principles
- Background in Computer Science theory, including Machine Learning and AI, Theory of Algorithms, Theory of Computation, Parallel/Concurrent Programming and Advanced Software Engineering
- Experience in Business Intelligence, Statistics and Probability Theory
- Theoretical understanding of advanced Computer Graphics techniques

Projects

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- **Project: hoppingmode-web**

- **Date:** Jan. 2021
- **Description:** My personal portfolio website showcasing my GitHub repositories.
- **Key Technologies:** Express.js, Node.js, Docker, GitHub Actions, nginx, private npm packages, ESLint, Prettier, Husky.
- **Highlights:**
- **Achievements:**

My first experience developing a web application with React

- **Successfully released on Google Play Store and Apple App Store.**