

Tom Vuma

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☁ tom-coder-blip.github.io/

SUMMARY

Motivated and detail-oriented Software Engineer with a strong foundation in Java, Spring Boot, and the MERN stack. Passionate about building secure, scalable, and practical systems that solve real-world problems. Experienced in backend API development, role-based security, and full-stack web applications. Adept at translating complex business requirements into reliable software solutions, with a growing interest in logistics systems, enterprise platforms, and data-driven applications.

EXPERIENCE

Software Engineering Intern

Compuways

February 2025 - December 2025, Johannesburg (Remote)

- During my internship with Compuways, I received intensive full-stack development training through Code College, where I built real-world applications while learning modern frameworks and tools. I focused on backend security systems using **Java and Spring Boot**, including **Spring Security** for role-based access control, authentication, and secure API design.
- On the frontend, I developed full-stack web apps using the **MERN stack** (MongoDB, Express.js, React, Node.js), applying RESTful architecture, JWT authentication, and clean UI/UX principles.
- Key technologies and tools included: **Java, Spring Boot, Spring Security, React, Node.js, Express, MongoDB, SQL, Django, Python, Git/GitHub, Postman, HTML/CSS/JS**
- Core skills gained:
 - Designing and securing REST APIs
 - Structuring full-stack applications with both POSTGRESQL databases and MongoDB
 - Implementing authentication and role-based access
 - Testing endpoints and debugging with Postman and Swagger
 - Applying object-oriented programming and enterprise-level architecture
 - Engineered RBAC projects by applying Spring Security and JWT to regulate authenticated user access and protected APIs.
 - Utilized version control with Git and GitHub to manage codebase for all my projects
 - Developed scalable web application components by applying System Design principles when planning projects resulting in improved maintainability and production-ready deployments.

Customer Insights & Support Intern

YIPS Africa

January 2024 - March 2024, Remote

- Collected, cleaned, and organized customer feedback and support data.
 - Created customer profiles using Excel and Power Query.
 - Responded to customer support queries and provided basic troubleshooting.
 - Gained experience in client communication, feedback analysis, and support systems.
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PROJECT

Enterprise Supply Chain API

Compuways • supply-chain-api-4sgg.onrender.com/swagger-ui.html

- I built a scalable Supply Chain API using Java and Spring Boot to manage complex logistics for enterprise environments. It features strict role-based access control, with Admins, Suppliers, Warehouse Managers, and Customers each operating within clearly defined permissions. From user management to inventory and order flows, the system combines layered security with real-world business logic — making it a solid backend foundation for any company looking to streamline and secure their supply chain.

Career Guidance Platform

Compuways and Code College • bula-next.onrender.com/

- Built a career guidance platform that connects learners with mentors to help them explore career paths based on their interests, skills, and goals. The application features a matching system where learners can send requests to mentors, and once accepted, a mentor-learner match is created. This enables personalized career guidance and one-on-one mentorship.

SecretKeeper Application

Compuways and Code College • secretkeeper-85qn.onrender.com/

- Anonymous secret-sharing application with secure authentication.
- Implemented JWT-based authentication and GraphQL API.
- Designed MongoDB schemas for secure data storage.

NotesApp Application

Compuways and Code College • notesapp-node.onrender.com/

- Full CRUD application for note management.
- Implemented secure user authentication and authorization.
- Built REST APIs with Express.js and MongoDB.

WorkoutLog Application

Compuways and Code College • beast-log.onrender.com/

- Workout tracking application with full CRUD functionality.
 - Integrated Firebase backend and authentication.
 - Built responsive and dynamic user interfaces.
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EDUCATION

Matric

Sutherland Highschool

- Matric certificate (Bachelors pass).

Software Engineering

Code College • Remote • 2025

- **Comprehensive training in Software Engineering and Web Development with intensive hands-on projects.** Designed, built, and deployed complete backend systems and web applications from scratch using best practices and industry-standard tools.
 - **Key Focus Areas:**
 - **Java & Spring Boot** — building secure, enterprise-grade backends with Spring Security, REST APIs, and scalable architecture.
 - **MERN Stack (MongoDB, Express.js, React, Node.js)** — developing dynamic, full-stack web applications with clean UI/UX and robust authentication.
 - Frontend foundations: HTML, CSS, JavaScript
 - Additional frameworks: Python & Django
 - Databases: SQL POSTGRESQL & (MongoDB)
 - Tools: Git/GitHub, Postman
 - **Core Competencies Gained:**
 - Designing and securing RESTful APIs
 - Structuring full-stack applications with both SQL and POSTGRES databases
 - Implementing authentication and role-based access control
 - Applying object-oriented programming principles in Java
 - Testing and debugging endpoints with Postman
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CERTIFICATIONS

Java Developer Bootcamp - Code College

Code College • Dec 2025

Spring Framework Certification – Code College

Code College • Nov 2025

Web Developer Bootcamp – Code College

Code College • Jun 2025

Java Advanced Certification – Code College

Code College • 2025

Java Beginner Certification – Code College

Code College • 2025

MERN Stack Certification – Code College

Code College • 2025

React Certification – Code College

Code College • 2025

Node.js Certification – Code College

Code College • 2025

SQL Certification – Code College

Code College • 2025

Python Certification – Code College

Code College • 2025

HTMX Certification – Code College

Code College • 2025

Google Data Analytics Professional Certificate – Coursera

Coursera • Jul 2024

SQL – MySQL for Data Analytics & Business Intelligence – Udemy

Udemy • Mar 2024

SKILLS

Skills 1: Java, Spring Framework, Spring Boot

Skills 2: Node.js, Express.js

Skills 3: Python, Django

Skills 4: React, Redux, JavaScript, HTML, CSS

Skills 5: SQL (POSTGRES), MongoDB

Skills 6: RESTful API Development, JWT Authentication & Role-Based Access Control, Swagger, Postman, Git & GitHub, Docker

Languages: English, Sepedi
