

TOM VUMA

FULL STACK DEVELOPER

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PROFILE

I'm an aspiring Fullstack Developer who loves building applications. I work with frameworks such as MERN stack and Spring Framework, and languages such as Javascript for web applications and Java for backend systems. While working with these frameworks and languages, I'm always experimenting with new tools to keep learning and to stay sharp at all times.

For me good software is about writing solid code that makes life easier for people and makes applications fun and memorable to interact with. That's why I aim to build projects that have an impact and solve real problems, and I enjoy providing that in the best way I can.

Outside of coding, I take joy in learning about mega companies all around the world, how businesses were founded and how they generate revenue. While keeping up with business trends I find myself linking business with tech and how software largely impacts businesses in a profitable way.

PROJECTS

MY FEATURED PROJECT

Bula Next (MERN STACK) <https://bula-next.onrender.com/>

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.

JS/HTML/CSS Project

Invoice Generator

Business Invoice Generator that I built with Vanilla JS, allowing you to add items with quantity and price, automatically calculate totals, and print client invoices instantly for your business.

PYTHON & DJANGO Project

Learning Log

My Python-Django web app is a learning log that lets users create personal topic logs, add entries for the topics, and manage their content. I built it with user authentication, database models, and Bootstrap styling.

APIs AND SERVICES (NODE.JS)

NoteSphere

I built a Node.js application with user authentication and CRUD functionality, where user's have a personal space to write, save, and organize notes and ideas. It uses Express for routing, MongoDB (Database) for storing user's data such as notes, usernames and passwords, and I've integrated APIs and HTTP requests to handle the user's actions with the app securely and efficiently.

FRONT-END (REACT)

Workout Log App

Built a React application that is connected to a Firebase database. It allows users to log, edit, and track their workouts on a clean interface that has authentication, and CRUD functionality.

FULLSTACK (MERN)

SecretKeeper App

SecretKeeper is a Fullstack web application I built using MERN stack. Users can post anonymous secrets, like others' posts, and manage their own content. I used GraphQL to handle all data requests through a single endpoint and JSON Web Tokens for user authentication. My backend is built with Node and Express, and everything connects to MongoDB for data storage.

SQL (DATABASES)

My SQL project is a Shopping Cart Database that manages products, customers, and orders. It demonstrates relational database design using primary & foreign keys and joins I created tables for Users, Products, Orders, and Checkout system to simulate a real-world e-commerce system.

JAVA (APPLICATION)

Football Scoreboard App

I built a Java application that calculates the ranking table for a soccer league based on match results. The app reads text input line-by-line, processes scores, and ranks teams using Java SE data structures like ArrayList, HashMap, and TreeMap. It applies league rules: 3 points for a win, 1 for a draw, and 0 for a loss. Teams with equal points are ranked alphabetically. The final scoreboard is printed in order from highest to lowest points.

SPRING BOOT (BACKEND)

Lost & Found Management System

A Lost & Found management system built with Spring Boot that allows users to report lost items and post found items. The system includes user authentication, RESTful APIs, and a clean backend architecture. Integrated with Swagger for interactive API documentation and Docker for seamless containerized deployment

TECHNICAL SKILLS

Frontend:

- HTML, CSS, JavaScript, React, Redux
- HTMX

Backend:

- Node.js, Express.js, REST API's, GraphQL
- Python, Django
- Java (OOP, multithreading, design patterns, streams)
- Spring Framework / Spring Boot

Databases and Fullstack :

- SQL, MongoDB, Mongoose
- MERN Stack (MongoDB, Express, React, Node.js)

Tools & Version Control:

- Git & GitHub
- VS Code, IntelliJ, Postman, MongoDB Compass, MongoDB Atlas, Swagger, Docker

SOFT SKILLS

- **Problem-Solving & Critical Thinking** – Ability to analyze challenges and design effective technical solutions.
- **Collaboration & Teamwork** – Comfortable working in diverse teams and contributing to group success.
- **Adaptability & Continuous Learning** – Open to learning new technologies quickly and adapting to changing requirements.
- **Communication Skills** – Can explain technical ideas clearly to both technical and non-technical audiences.
- **Time Management & Organization** – Able to prioritize tasks, meet deadlines, and manage multiple projects.
- **Attention to Detail** – Focused on writing clean, efficient, and error-free code.
- **Creativity & Innovation** – Passion for building user-friendly applications and finding new ways to solve problems.

WORK EXPERIENCE

Software Development Intern – Compuways

Johannesburg (Remote) · Feb 2025 – Current

- Internship while studying at Code College, applying what I'm learning to real projects
- Working on both frontend and backend tasks using tools like HTML, CSS, JavaScript, React, Node.js
- Helping build internal applications, testing features, fixing bugs, and supporting code maintenance
- Taking part in weekly team tasks and mini projects to improve soft skills and ability to be a team player
- Improving my Git and GitHub skills, getting better at debugging, and learning how to structure projects in a clean, scalable way

Customer Insights & Support Intern – YIPS Africa

Remote · Jan 2024 – Mar 2024

- Assisted the customer support team in collecting and organizing user feedback and client issues
- Cleaned and organized data using power query and excel
- Created customer profiles by gathering and organizing data
- Responded to support queries, provided basic troubleshooting, and ensured smooth communication with users
- Gained experience in client-facing communication, feedback analysis, and support systems

EDUCATION

Code College – Full Stack Software Development

Remote · Jan 2025 – Nov 2025 (Expected Completion)

Comprehensive training in full-stack web development with both frontend and backend technologies. The program combines theory with intensive hands-on practicals, enabling me to design, build, and deploy full web applications from scratch. Throughout the course, I developed several real-world projects using modern development practices, version control, and industry-standard tools.

Focus areas:

HTML, CSS, JavaScript, React, Node.js, Express, MongoDB, Python, Django, Git/GitHub, HTMX, Java, Spring Framework / Spring Boot, SQL, REST API Development, Postman

Key competencies gained include building RESTful APIs, structuring full-stack applications, using SQL and NoSQL databases, implementing authentication, testing API endpoints with Postman, applying object-oriented programming principles, and working with enterprise-level frameworks like Spring Boot.

Certifications Earned at Code College

- *Intro to Programming (2025)*
- *Python Certification (2025)*
- *HTMX Certification (2025)*
- *Node.js Certification (2025)*
- *React Certification (2025)*
- *MERN Certification (2025)*
- *SQL Certification (2025)*
- *Java Beginner Certification (2025)*
- *Java Advanced Certification (2025)*
- *Spring Framework Certification (2025)*

Matric Certificate – Sutherland High School

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- Completed National Senior Certificate (NSC)

CONTACT

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