

# TOM VUMA

## FULL STACK DEVELOPER

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### PROFILE

I'm an aspiring Fullstack Developer who loves building applications. I work mostly with frameworks such as React, Node, Django and MERN stack. While working with these different frameworks and languages, I'm always experimenting with new tools to keep learning and to stay sharp at all times.

For me, good software isn't just about writing code that runs, but actually about writing solid code that makes life easier for people and makes applications fun and memorable to interact with. That's why I love projects that have an impact and solve real problems, and I aim to provide 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.*

## **TECHNICAL SKILLS**

### **Frontend:**

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

### **Backend:**

- Node.js, Express.js, API's
- Python, Django
- Java (OOP, multithreading, design patterns, streams)

### **Databases and Fullstack :**

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

### **Tools & Version Control:**

- Git & GitHub
- VS Code, Postman, MongoDB Compass, MongoDB Atlas

## **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, and Django
- 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
- 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
- Focus areas: HTML, CSS, JavaScript, React, Node.js, Express, MongoDB, Python, Django, Git/GitHub, HTMX
- Built several real-world projects and completed hands-on practicals and theory modules

### **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 Certification (2025)

### **Matric Certificate – Sutherland High School**

**Centurion, South Africa · Class of 2021**

- Completed National Senior Certificate (NSC)

## **CONTACT**

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