

Aviwe Sonamzi

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Professional Summary

Motivated and detail-oriented IT professional with a strong foundation in **cybersecurity, system administration, and full-stack development**. Proficient in **Linux, networking, cloud computing, and secure authentication mechanisms**, with hands-on experience implementing **JWT authentication, database management, and real-time application updates**. Adept at troubleshooting technical issues, writing efficient algorithms, and optimizing system performance. Passionate about building **secure, scalable applications** and leveraging **React, Node.js, and MongoDB** to develop interactive user experiences. Holds multiple industry-recognized certifications, including **Google Cybersecurity, System Administration, and Python for Everybody**.

Education

Bachelor of Administration – Human Settlement

University of South Africa, South Africa

Expected Graduation: [06/2027]

Google Career Certificate in Cybersecurity - Online certificate

01/2025 – 03/2025

Technical Skills

- **Programming Languages:** Python, C, JavaScript
 - **Hardware & Circuit Design:** Verilog, FPGA, Embedded Systems
 - **Networking & Security:** Network Security, Secure Shell (SSH), Load Balancing, Domain Name System (DNS), AWS Command Line Interface (CLI)
 - **Operating Systems:** Linux File Systems, Windows, macOS
 - **Web Development:** React.js, Redux.js, SASS, Bootstrap, HTML5, CSS, MySQL, SQL
 - **Tools & Software:** Troubleshooting, System Administration, IT Infrastructure, Virtual Assistance
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Projects Pizza Delivery App

- Developed a real-time pizza order tracking system using WebSockets (Socket.IO), ensuring seamless communication between admin and users

Cash Register App

- Developed an interactive JavaScript-based quote generator using React on CodePen.
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- Implemented the checkCashRegister function to calculate change due based on price, cash provided, and cash-in-drawer.
- Designed and implemented a robust cash validation function, improving transaction accuracy by 100%

Random Quote Machine

- Developed an interactive JavaScript-based quote generator using React on CodePen.
- Implemented an HTML structure, CSS, and JavaScript for dynamic functionality.
- Integrated FreeCodeCamp test script for project validation.

Drum Machine

- Developed an interactive JavaScript-based quote generator using React on CodePen.
- Implemented an HTML structure, and CSS styling, and used Babel as the JavaScript preprocessor for React implementation.
- Integrated FreeCodeCamp test script for validation.

JavaScript Calculator

- Developed an interactive JavaScript-based quote generator using React on CodePen.
 - Added necessary React and ReactDOM libraries.
 - Used Babel as the JavaScript preprocessor and added React code.
 - Styled the calculator for better usability.
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Work Experience

Web development intern – Oasis Infobyte

[08/2022 – 09/2022]

- Created a pizza delivery app using React, MongoDB, and Nodejs.
- Created an admin login and a user login with complete registration, authorization, email verification, and forgot password system
- Dashboard displaying available pizza varieties and an interactive pizza customizer
- Admin can update stock, receive orders, and update order status

Certifications & Training

- Google Cybersecurity Professional Certificate, Google, 2025
- Introduction to Networking and Cloud Computing, Microsoft, Completed on January 16, 2025
- System Administration and IT Infrastructure Services, Google, Completed on December 23, 2024
- Hands-on Introduction to Linux Commands and Shell Scripting, IBM, Completed on November 21, 2024
- Operating Systems and You: Becoming a Power User, Google, Completed on November 6, 2024
- The Bits and Bytes of Computer Networking, Google, Completed on October 31, 2024
- Technical Support Fundamentals, Google, Completed on October 15, 2024
- Work Smarter, Not Harder: Time Management for Personal & Professional Productivity, University of California, Irvine, Completed on October 12, 2024

Languages

- **English**
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