Wade Simpson

+27-63-266-0530 | Email | Stellenbosch, CT | LinkedIn | GitHub | Portfolio

Experience

Reutech Radar Systems   Jul 2022 – Sep 2022

Software Engineer Intern   Part-Time

- Acquired insights into the technology operations in the mining industry, particularly the use of scanners to detect potential hazards for mining vehicles and how the entire mining environment used software.
- Developed a weather forecasting app independently using frontend technologies and integrated APIs, with the intention of potentially helping mine workers with weather-related safety information.
- Utilized skills such as frontend development, API integration, data analysis, research, and documentation.

NNZ Packaging   Aug 2025 – Sept 2025

Junior Data Analyst   Part-Time

- Built automated reporting systems in Excel using advanced formulas, linked sheets, and dynamic dashboards to simplify and accelerate data analysis.
- Developed visualizations (charts, graphs, summaries) to present large datasets clearly, supporting data-driven business decisions.
- Automated workflows using TypeScript, Power Automate, and Excel tables, reducing repetitive tasks and improving process efficiency.

Education

CTU Training Solutions, Stellenbosch, CT   Jan 2021 - Mar 2024

Diploma, Software Development

Coursework: DSA, Cloud Fundamentals, DevOps Engineering, Java Development, IT Project Management, Database Infrastructure, Linux, Cybersecurity Practices.

Highschool Labori, Paarl, CT   Jan 2016 – Dec 2020

Subjects: Afrikaans Home Language, English First Additional Language, Life Orientation, Mathematics, Computer Applications Technology, Information Technology, Business Studies.

Projects

Echo   MERN

- Full-stack chat platform with JWT authentication, real-time messaging, friend system, and video calling.
- Onboarding flow and multiple themes for enhanced user experience.
- Deployment-ready architecture with best practices, custom hooks, and API testing.

Linguin   Next.js

- Language learning app with AI voices, XP/hearts system, quests, and leaderboard.
- Integrated Clerk authentication, payments with Paystack, and Postgres (NeonDB) backend.
- Serverless deployment on Vercel with mobile responsiveness and interactive UI components.

Technical Skills

Languages: Python, Java, C#, HTML5, CSS, JavaScript, TypeScript, SQL

Frameworks & Libraries: React.js, Node.js, Flask, Django, NumPy, pandas

Development Tools: Git, Docker, Microsoft Azure, Microsoft SQL Server, mySQL