

RHULANI KGOSI MOGOTSI

WEB DEVELOPER

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GitHub certified graduate with a certification in Software Engineering and over 4 years of development in Python, SQL, & JavaScript, along with their libraries and frameworks. Extensive experience writing well-documented code to convert stakeholder concepts into scalable web applications on both the Front-End & Back-End.

TECHNICAL EXPERIENCE

WEB DEVELOPER, KNOWESCAPE CONSULTING

08/2023 - 05/2024

Designed and developed a modern, professional business website tailored to engage both younger and older audiences while maintaining business credibility and brand standards by leveraging contemporary front-end frameworks to integrate modern UI/UX elements to deliver an intuitive user-facing product. Another primary focus was to optimize SEO and market reach to connect the startup with its target student demographic, utilizing accessibility best practices and specialized tools to maximize organic discoverability

- Created detailed technical **software specifications** to guide development.
- Leveraged **Figma** to design intuitive **UI/UX prototypes** to guide and streamline front-end development.
- Implemented structured **Git/GitHub workflow** to track development iterations throughout development life cycle.
- Architected and Implemented **SQL** database schema to optimize storage of student data prior to backend development.
- Converted **UI/UX prototypes** into **SEO-Optimized HTML and CSS** for enhanced performance and visibility.
- Integrated **Bootstrap** to ensure a seamless responsive design across all device breakpoints.
- Developed a robust and scalable **Python/Django backend** to seamlessly handle student data submission and storage.
- Ensured code quality through comprehensive debugging and automated testing using **unittest** and **Pytest**
- Integrated **Google Search Console** to enhance site visibility, as well as **Google Analytics** for in-depth analysis.
- Documented all dependencies and third-party services to ensure accurate project documentation and maintainability
- Oversaw migration and deployment pipeline for production release on **Vercel**

PROJECTS

XSTREAMER MUSIC, Artist Performance Insights Algorithm

Developed a **proprietary** data-driven algorithm to retrieve, analyze, and manage music and video streaming performance data of musical artists across various platforms. The algorithm integrated advanced data processing and database management, to provide highly accurate insights. This data was then served to a proprietary analytics dashboard over a scalable, web-optimized API, designed for seamless integration with applications and third-party analytics platforms.

- Curated comprehensive algorithm specifications, complete with graphical data visualization using **Power BI**.
- Leveraged **Python** and **Pandas** for advanced statistical analysis and trend forecasting.
- Developed a complex data-driven algorithm using **Python, JSON** and **HTTPS**
- Developed a scalable API with **Django**
- Designed, implemented and maintained a robust **PostgreSQL** Database architecture for efficient data storage and retrieval of Big Data.
- Leveraged **Figma** to design cohesive and intuitive **UI/UX Designs** for the **Data Analytics Dashboard**.
- Developed a modern, responsive website using **HTML, CSS, JavaScript, Bootstrap**, and **React**
- Oversaw the Debugging and Testing of code ahead of deployment, utilizing built-in libraries such as **PyTest** and **unittest**.

TECHNICAL SKILLS

- Python, Django, Flask, JavaScript, React, SQL, PostgreSQL, MongoDB, REST API, Figma, HTML, CSS, Bootstrap, JSON, Wordpress, WebSockets, OAuth, Git, Github, Microsoft Office, Unit Testing, SEO, Agile Development, DevOps, CI/CD, Linux, Apache, NginX

SOFT SKILLS

- Problem Solving, Innovative Thinking, Attention to Detail, Analytical Thinking, Adaptability, Interpersonal Skills, Written & Verbal Communication, Willingness to learn, Conducive to mentorship, Collaboration, Accountability

EDUCATION

CERT. SOFTWARE ENGINEERING • HyperionDev

03/2023 - 12/2024

CERTIFICATIONS

GITHUB FOUNDATIONS • GitHub

2025