Sabelo Mtetwa
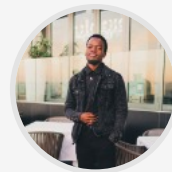
Software Developer

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Profile

In my role as a software engineer, I have demonstrated an aptitude for adapting to both independent and collaborative work environments. Through my coding proficiency, I have developed scalable software solutions that are easily modifiable, resulting in expedited project completion timelines and cost savings.

Education

Mar 2017 - Nov 2021

BSc Electrical and Computer Engineering
University of Cape Town, Cape Town
I have completed coursework in project management and design, which equipped me with skills in project planning and milestone management. The design courses provided me with knowledge of diverse methodologies to plan projects, emphasizing user experience as a crucial factor in project success.

Employment

Nov 2021 - Present

Software Developer
Rorschach Innovation Services, Cape Town
- Spearheaded the setup of development architecture and facilitated the migration of code from React.js and Node.js environment to a Next.js environment, achieving significant software performance enhancements.
- Collaborated closely with a UX/UI designer to transform wireframes into robust user interface features.
- Successfully established AWS cloud services and integrated them with the projects, enabling seamless and efficient software deployment.
- Provided leadership in development and streamlined onboarding of new team members by documenting code and features for enhanced team efficiency.
- Developed and implemented APIs and state management solutions to optimize the flow of data throughout the software, improving overall functionality.

Aug 2021 - Nov 2022

Software Developer
UCT Rearch Contracts and Innovation, Cape Town
- Collaborated closely with clients and designers to develop features from project specifications, utilizing Agile methodology to maintain frequent communication and provide regular development updates.
- Successfully established a Node.js server and implemented algorithms to generate comprehensive reports for the client's users.
- Worked collaboratively with frontend developers and later undertook UI feature development responsibilities when the project scope expanded.
- Provided ongoing support and maintenance to address bugs and implemented additional features as requested by the client.

Aug 2019 - Dec 2019

Front-end Developer
Zaio, Cape Town
- Contributed to enhancing an existing software's user interface through design improvements and updates.
- Developed and implemented a messaging tool for admins, enabling efficient communication and collaboration among team members.

- Successfully integrated Google Maps API, streamlining the location selection process for platform users.
- Worked collaboratively with a back-end developer, demonstrating strong teamwork skills and an ability to adapt to a team-oriented work environment.

Skills

Next.js

React.js

Node.js

Typescript

AWS Services

MongoDB

HTML, CSS & JavaScript

Version Control: Git

Python

Languages

English

IsiZulu

Extracurricular activities

Dec 2020 - Dec 2022

Co-Owner & Technical Manager
Varsity Eats, Cape Town
My acquaintances and I initiated a food delivery enterprise catering specifically to the student populace of the University of Cape Town (UCT). I developed a robust digital infrastructure enabling customers to place orders for food sourced from local eateries. Initially operating as a business-to-consumer (B2C) model, we directly targeted individual customers. However, our operational approach evolved over time to focus on a business-to-business (B2B) framework, specifically catering to UCT organizations. We leveraged our platform as a reliable payment system, facilitating transactions managed by the treasury for club and society events. Furthermore, we undertook the responsibility of procuring and delivering goods for these occasions.

Dec 2020 - Dec 2021

TECHNICAL MENTOR
GOOGLE DEVELOPER STUDENT CLUBS UCT, Cape Town
In a leadership capacity, I oversaw a team of developers and provided mentorship to facilitate the efficient development of a web application. In the same year, I hosted workshops on web development concepts, including React with Firebase, to share my knowledge and expertise with others. Additionally, I organized my second hackathon with Yoco, where I also conducted a workshop to provide attendees with hands-on experience in utilizing a payment gateway.

Feb 2020 - Dec 2020

TECHNICAL MENTEE
GOOGLE DEVELOPER STUDENT CLUBS UCT, Cape Town
In my capacity as a Front-End Developer, I collaborated with a team to develop a web application using Angular and Firebase. This experience enabled me to acquire proficiency in Git and GitHub for efficient version control and seamless collaboration. Additionally, I gained expertise in writing structurally sound code, which enhanced the software's overall performance and functionality.

Mar 2020 - Nov 2020

Tutor
GOLDEN FUTURE PROJECT, Cape Town
I volunteered as a tutor for high school students, providing support in Mathematics and Physics. This experience afforded me the opportunity to utilize my subject matter expertise and develop strong communication skills while

- tailoring my tutoring approach to meet individual students' needs.

Hobbies

- Coding
- Boxing
- Go Karting

References

References available upon request.