KARABO MASHILE

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SUMMARY

Highly motivated and results-oriented recent software engineering bootcamp graduate with a strong foundation in back-end development. Eager to leverage technical skills in Python, JavaScript, and database management to contribute to a fast-paced development team. Adept at designing and implementing APIs, building web applications, and automating workflows. Committed to continuous learning and staying updated with emerging technologies and industry trends.

EDUCATION

Software Engineering   Jan 2023 - Apr 2024
ALX Africa Bootcamp, South Africa
BSc. Mathematics   (Incomplete)
University of KwaZulu-Natal, South Africa

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, C
Frameworks: Django, Flask, Node.js, Express.js
Database Management: MongoDB, SQL, PostgreSQL
Tools: Git, GitHub, CI/CD
APIs: RESTful API Development

PROFESSIONAL EXPERIENCE

Bootcamp and Personal Projects

- Designed and developed software applications that meet user requirements and industry standards.
- Conducted unit tests, identified and resolved software defects, ensuring the reliability and quality of the developed software through rigorous testing methodologies.
- Maintained and updated software applications to ensure they continued to meet user requirements and industry standards, including fixing bugs, optimizing performance, and adding new features.
- Analyzed and resolved complex technical issues, investigated software failures, and implemented appropriate solutions in a timely manner.
- Followed established development methodologies, version control practices, and coding standards to ensure consistency, efficiency, and scalability in software development.

PROJECTS

Full-Stack Expense Tracker - Team Project,   Oct 2023 – Dec 2023

- Collaborated in a team of three to design and implement a finance tracker that targets small farmers who are still manually recording their expenses using notebooks.
- Developed backend functionalities using Python and MongoDB to manage financial data for small farmers, reducing manual entry by 80%.
- Collaborated with front-end developers to create a user-friendly interface for expense tracking.

Airbnb Clone - Team Project,   Sep 2023

- Collaborated in a team of two to create an Airbnb clone that has similar functionalities.
- Built a core backend system using Python and Flask to manage user accounts, listings, and bookings, supporting up to 500 concurrent users.
- Designed and implemented RESTful APIs for efficient data exchange.

RESTful API Development - Individual Project,   Mar 2024

- Created a standalone RESTful API using Python and Django to perform specific functionalities such as data processing and user authentication.
- Designed and documented API endpoints for efficient data interaction.

BEHAVIOURAL SKILLS

- Attention to detail
- Adaptability
- Analytical Thinking
- Effective Communication
- Time Management
- Collaboration
- Continuous Learning
- Initiative