

Donald Mbara

Software Engineer

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Seasoned Software Engineer adept at crafting robust applications, designing efficient databases, and implementing innovative cloud computing solutions. Demonstrated proficiency in swiftly resolving intricate technical issues through expert troubleshooting and debugging skills, ensuring seamless operations of complex systems.

Competencies

- Agile
- Technical Writing
- Database programming
- Best practices
- Code reviews
- Technical Support
- Software Development

Projects

- **E-commerce web app**- Created an e-commerce platform with Java backend microservices, SQL database, keycloak authentication, Eureka server, and Angular frontend. Designed to emulate best features from industry leaders like Takealot, Amazon, and Makro, while prioritizing simplicity in user experience.
- **Web portfolio**-Developed a web portfolio using vanilla HTML/CSS and Javascript, incorporating select templates from HTML5 UP to create a dynamic showcase. Integrated a blog section to offer engaging content and showcase diverse projects and experiences.

Work History

2023-09 - Current Software Engineer
Blue Bean Software, Midrand

2022-01 - 2023-08 Software Engineer
Allan Gray Proprietary Limited, Cape Town

- **GO/Scala API Microservices Integration:** Enhanced front-end efficiency by successfully integrating API microservices
- **ReactJS Application Leadership:** Spearheaded maintenance and optimization of a critical ReactJS application, ensuring uninterrupted performance and an enhanced user experience
- **Expert API and Frontend Support:** Provided expert support for APIs and frontend components, ensuring smooth operations, troubleshooting issues, and implementing enhancements for a seamless user experience
- **Robust Scala API Development:** Developed robust Scala APIs to empower microservices, delivering scalable and high-performance solutions
- **Knowledge Sharing Leadership:** Took lead in organizing and facilitating knowledge-sharing sessions, fostering collaboration, and staying at forefront of industry trends
- **Cutting-edge Frontend Feature Development:** Made significant contributions to development of a cutting-edge frontend feature, enhancing user interface and functionality while driving evolution of the platform.
- **Guidance:** Provided guidance and mentored less-experienced staff members
- **Collaboration:** Partnered with development team on product development and application support plans

2021-03 - 2021-11

Undergraduate Tutor

University of the Witwatersrand, City of Johannesburg

- Developed valuable problem-solving strategies with peers to provide assistance in understanding difficult concepts.
- Helped fellow students prepare for quizzes and examinations.

2020-06 - 2020-07

Vacation Student

Psybergate (Pty) Ltd

- Throughout the programme, I participated in mentoring sessions aimed at giving insight into a career in Software Development
- Under the guidance of our Developers, I worked with other students to apply the software development principles being taught through building a mini system (a Tax Calculator)
- **MENTORING TOPICS INCLUDED:** Software development, focused mainly on Object Orientated Design
- System design using Java, JEE (Servlets), Postgres, SQL, JSP, HTML, CSS, Junit
- A basic understanding of Tax.

Education

2021-03 - 2021-12

Bachelor of Science Honours in the field of Big Data Analytics: Computer Science

University of The Witwatersrand - Johannesburg

2018-02 - 2020-12

Bsc in Computer Science: Computer Science

University of The Witwatersrand

2013-01 - 2017-12

National Senior Certificate

Mphaphuli High School - Sibasa

Certifications

Docker for Developers

Software Architecture: Patterns for Developers

AWS Cloud Practitioner Essentials

Amazon Web Services Cloud Practitioner

Fundamentals of digital marketing