

AYABULELA MAHLATHINI

SOFTWARE ENGINEER, FULL-STACK

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Cape Town, South Africa

SUMMARY

Full-Stack Engineer with extensive experience crafting exceptional user-centric web applications, I excel in transforming complex user experiences into reality with a strong focus on delivering solutions that meet challenging nonfunctional requirements. Proven ability to lead teams, mentor other developers, and deliver exceptional user experiences. Passionate about crafting innovative solutions and driving business impact.

CERTIFICATIONS

- **Meta: Front-End Developer Professional Certificate**
Issued Jan 2025 • No Official Expiration Date
- **Microsoft Certified: Azure Fundamentals**
Issued Jul 2024 • Expires May 2025
- **AWS: Certified Cloud Practitioner**
Issued March 2021 • Expired March 2024

SKILLS

TECHNICAL

- **Frontend Development:** Advanced proficiency in React.js and React Native using TypeScript/JavaScript.
- **Backend Development:** Practical experience with Express, Apollo-Server, .NET Web API and Spring;
- **API Integration:** Expertise in GraphQL and RESTful APIs.
- **UI/UX Design:** Proficient with Figma, applying Design Thinking and User-Centered Design principles.
- **Development Tools:** Proficient in Git, Azure DevOps Board, Material-UI, Docker, Jest, React Testing Library.
- **Cloud Services:** Foundational knowledge of AWS & Azure.

KEY STRENGTHS

- **Adaptability:** Quick to learn and adapt to new JavaScript frameworks, libraries, and emerging technologies, especially within the React ecosystem.
- **Development Practices:** Commitment to writing clean, maintainable, and well-documented code.
- **Project Management:** Requirements gathering, system design, and prototyping.
- **Agile Methodologies:** Experienced in Agile workflows and Scrum framework.
- **Problem-Solving & Collaboration:** Excellent problem-solving skills, strong communication, and cross-functional teamwork abilities.
- **Mentorship:** Experience mentoring interns, graduates and other engineers, fostering growth within teams.
- **Community Engagement:** ENACTUS Alumnus, MBSA Learning and Development Ambassador, UI/UX and Azure Expert Journey Community active member.
- **Continuous Learning:** Passion for advancing technical expertise.

WORK EXPERIENCE

SOFTWARE ENGINEER, FULL STACK

Mercedes-Benz South Africa // East London, ZA

Dec. 2021 – Present • Fixed-term

- Spearheaded the development of customer-facing web applications, resulting in a 40% increase in user engagement through strategic React.js and TypeScript implementation.
- Bridged the gap between design and development by taking ownership of UI/UX design and front-end development, ensuring design fidelity while maintaining optimal performance, increasing sprint completion rates by 25% and user satisfaction.
- Revitalized user engagement with the system, achieving a 40% increase in active user involvement and feedback contribution.
- Pioneered the adoption of GraphQL, enhancing data retrieval efficiency and contributing to a 30% improvement in application performance.
- Mentored interns and new hires, fostering a culture of knowledge sharing and growth within the team.
- Actively contributed to Agile coaching initiatives, resulting in a 20% increase in development cycle efficiency.
- Engaged in cross-functional collaboration with .NET developers and DevOps teams to ensure cohesive and scalable solutions.
- Upheld high standards of code quality through rigorous code reviews and testing.

JUNIOR SOFTWARE DEVELOPER

Autumn Leaf IT // Cape Town, ZA

Aug. 2021 – Nov. 2021 • Permanent

- Contributed to full web application development using React.js, GraphQL, and AWS services (Amplify, Lambda, Elastic Beanstalk).
- Actively researched and integrated new technologies, improving development efficiency by 20%.
- Supported deployment processes, expanding cloud computing knowledge and experience.

INTERN CLOUD SUPPORT ASSOCIATE

Amazon Web Services // Cape Town, ZA

Jan 2021 – Jun. 2021 • Internship

- Provided cloud support across AWS services (EC2, S3, RDS) via forums and ticketing systems.
- Troubleshoot and resolved cloud infrastructure, database, and networking issues.
- Contributed to AWS forums by answering customer inquiries and offering solutions.

EDUCATION

Diploma: ICT in Applications Development

Cape Peninsula University of Technology // Cape Town, ZA

2018 – 2020 • Graduated

Relevant Modules: Software Engineering and Development • Information Systems • UI/UX Design • Multimedia Technology • Networking • Project Management • Professional Practice • Information Management

National Senior Certificate

Sakhululeka High School // Fort Beaufort, ZA

Jan 2009 – Dec 2013 • Matriculated

VOLUNTEERING

IT DIRECTOR

ENACTUS CPUT // Cape Town, ZA

Aug. 2019 – Feb 2020

- Led the identification and implementation of technical solutions for projects aligned with the UN's Sustainable Development Goals (SDGs).
- Provided technical support and mentorship to team members, fostering a culture of innovation, collaboration, and excellence.
- Streamlined onboarding and project execution by introducing efficient digital solutions, leading to the 2019 Most Outstanding Growth Award at the Enactus National Competition.
- Conducted technical feasibility analyses to ensure scalability and alignment with project objectives.
- Coordinated and managed technical training for team members, upskilling them in areas such as graphic design, video editing, and app development.

DIGITAL DESIGNER / TECHNICAL ADVISOR

ENACTUS CPUT // Cape Town, ZA

March. 2019 – Jul. 2019

- Invited to attend and actively participate in the MTN Design Thinking Bootcamp, gaining hands-on experience in the design process from empathy to prototype delivery.
- Played a key role in Enactus CPUT's success at the 2019 MTN ICT Challenge, contributing to the winning prototype for the FindaDoctor mobile app through expertise in Design Thinking methodology and technical execution.
- Led UI/UX design initiatives, creating intuitive and visually appealing interfaces for key projects.
- Designed, developed, and published the UniMoola Varsity Market solution, significantly enhancing project outreach and impact across university campuses.
- Designed and produced visual media assets for competition submissions, contributing to Enactus CPUT's successful representation at the national level.
- Managed and coordinated the technical aspects of presentation media for Enactus CPUT at the National Competition, ensuring flawless execution and the seamless delivery of key presentations.

PROJECTS

E-PHARMACY DELIVERY SYSTEM

Cape Peninsula University of Technology // Cape Town, ZA

Feb. 2020 – Dec. 2020 • Capstone Project

- Took ownership of the web and mobile frontends using React and React Native, integrating with a team-built API.
- Gathered requirements and designed UML diagrams to align the system with user needs.
- Developed database design to support the e-commerce platform's scalability.
- Executed full-stack development with Spring Boot, MySQL, and JavaScript frameworks.
- Self-taught React to complete the project outside of the curriculum.
- Presented the project, showcasing development and integration outcomes.

MHEALTH Booking System

Cape Peninsula University of Technology // Cape Town, ZA

Jun 2019 – Dec. 2019 • Intermediate Project

- Applied SDLC and Design Thinking methodologies to empathize with users, define real-life problems, and ideate innovative solutions.
- Designed and prototyped user-friendly UI/UX, improving user engagement and enhancing system usability.
- Developed a comprehensive System Requirements Specification (SRS) document, providing a solid foundation for successful system development.
- Delivered a project presentation, effectively communicating design concepts, user insights, and system specifications to stakeholders.

REFERENCES

Mr. Ignatius Sibanda

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ONLINE PROFILES

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