Thato Emmanuel Baloyi

BSc Degree in Computer Science & Information Systems
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SKILLS

Programming Languages	Java, Python, C, JavaScript (ES6+), PHP
Web & Frameworks	React.js, Next.js, Node.js, Express.js, HTML5, CSS3
Databases	SQL, NoSQL (MongoDB)
Systems & Tools	Linux, Windows, macOS, Git, GitHub, VS Code, MS Office
Soft Skills	Resilience, Problem Solving, Technical Communication, Teamwork

EDUCATION

BSc Computer Science & Information Systems 2023 - 2025
Rhodes University

BEng Electrical & Electronic Engineering 2021 - 2022
University of Johannesburg

National Senior Certificate 2016 - 2020
Ithuteng Commercial High School

WORK EXPERIENCE

Office Assistant
Frasar Internet Cafe

- Efficiently managed document preparation services, specializing in resume typing using MS Word, resulting in increased customer satisfaction and repeat business.
- Facilitated administrative tasks such as printing, copying, and laminating, ensuring timely delivery of high-quality products and services to clients.
- Demonstrated technical expertise by installing new operating systems on computers, optimizing performance, and resolving technical issues, leading to improved functionality of systems.
- Assisted customers with online applications, offering guidance on navigating digital platforms and ensuring a smooth application process.
- Conducted email correspondence, producing professional and effective communication to meet client needs.

Technologies/Tools Used:
MS Word, Printing and Copying Machines, Laminating Machines, Email Platforms, Operating System Installation, Online Application Platforms.

Computer Science Tutor February 2024 – November 2025
Rhodes University

- Instructed and mentored students across foundational and advanced undergraduate courses, supporting both First-Year concepts (e.g., Python and Java programming) and Second-Year specialized modules.
- Provided expert guidance in core Second-Year areas, including Computer Architecture (Assembly), Data Structures & Algorithms (Java), Operating Systems, and Systems Level Programming (C programming).
- Trained students on modern development practices, focusing on Systems Development Programming (NoSQL databases and Git version control).
- Clarified abstract theoretical concepts in Theory of Computation, covering topics such as Finite State Automata (FSA's), Turing Machines, the Halting Problem, Computability, and Automata theory.
- Delivered targeted, constructive feedback on student work, ensuring technical proficiency and deep conceptual understanding across all subject areas.

Lecture Venue Technician February 2024 – November 2025
Rhodes University

- Provided essential technical support to lecturers, troubleshooting and resolving issues with projectors, microphones, and audio-visual (AV) equipment to ensure seamless lecture delivery and minimize disruptions.
- Specialized in AV equipment management, including the maintenance and troubleshooting of complex AV infrastructure components such as HDMI splitters and audio extractors, and timely replacement of batteries for wireless microphones, mice, and keyboards.
- Managed and set up AV equipment for various events, including conferences, ensuring all technical requirements were met and systems were fully operational prior to the start.
- Maintained continuous operational readiness by working scheduled on-call shifts to provide immediate, proactive technical assistance for both daily lectures and major conferences, ensuring rapid issue resolution and uninterrupted service.
- Reported major technical faults and non-routine equipment failures to management for external repair or replacement.

LEADERSHIP AND VOLUNTEERING EXPERIENCE

Student Network Representative February 2024 – November 2024
Matthews House, Rhodes University, Eastern Cape

- Provided technical support to students, ensuring seamless access to network resources.
- Assisted students in connecting to Wi-Fi networks and troubleshooting connectivity issues.
- Maintained printers by regularly checking toner and paper levels and replenishing supplies as needed.
- Reported network issues and collaborated with student support services to resolve them promptly.
- Facilitated student access to software applications such as Microsoft Office by assisting with account setup and login procedures, minimizing the need for additional licenses.

CERTIFICATES

2nd Place: Information Systems III Systems Development Project | Rhodes University (2025)

- Achievement: Backend Developer for Team EzTeck, which placed 2nd out of 32 teams for the FurryHaven (SPCA Management System) project. The system utilized HTML, CSS, JavaScript, PHP, and MySQL.

Open Box Software Prize for Computer Science I | Rhodes University (April 2024)

- Recognition: Awarded the top prize (Certificate and Medal) for being the top student in Computer Science I with an average of 94%.

Dean's List for Academic Merit | Rhodes University (2023)

- Recognition: Acknowledged for outstanding academic achievement based on first-year results, highlighting consistent high performance.

Top 10 Academic Award | Founders Hall, Rhodes University (March 2024)

- Achievement: Awarded for placing among the top 10 students based on exceptional performance in the First-Year End-of-Year exams.

2nd Position in Top 10 | Founders Hall, Rhodes University (September 2023)

- Achievement: Achieved the 2nd position among the top 10 students based on exceptional first-year mid-year academic results.

Python3: Fundamentals Certificate | Discount Courses (May 2023)

- Description: Successfully completed fundamental Python programming concepts; knowledge contributed to a 97% grade in First Semester Computer Science.

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PROJECTS

FurryHaven (SPCA Management System)
- **Role:** Backend Developer (Team EzTeck)
- **Achievement:** 2nd Place out of 32 teams in the Information Systems III Systems Development Project (2025).
- **Description:** Designed and developed the backend architecture for a comprehensive SPCA management system, ensuring robust data handling and system functionality.
- **Technology Stack:** PHP, MySQL (Backend), HTML, CSS, JavaScript (Frontend), Git.

Personal Portfolio Website
- **Role:** Full Stack Developer
- **Achievement:** Developed and deployed a professional, full-stack portfolio demonstrating proficiency in modern web architecture
- **Description:** Implemented both the front-end (React) and back-end (Node.js/Express.js) components, featuring a dynamic integration to pull and display up-to-date GitHub project information.
- **Technology Stack:** React, Node.js, Express.js, JavaScript, HTML, CSS, Git, GitHub.
- **Link:** https://GitHub.com/thatobaloyi/thato

REFERENCES

- **Freddy Baloyi**
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