

Mario Antonio

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Key Competencies

- **Programming Languages**
 - Python, JavaScript, Java, C++, C#
- **Web Development**
 - Frontend: HTML, CSS, JavaScript
 - Backend: Node.js, Django, Flask
- **Databases**
 - Relational databases - SQLite
 - Non-relational - MongoDB
- **Frameworks**
 - Python: Django and Flask
 - JavaScript: React
 - Java: Javalin, Spring Boot
- **DevOps**
 - CI/CD: GitHub and GitLab
 - Containerization: Docker
- **Testing**
 - Unit testing
 - Integration Testing

Education

- **Bachelor of Medicine and Surgery Year 1 @ University of Witwatersrand** 2020
 - Achieved four distinctions in **Physics, Chemistry, Systems Dynamics and Psychology**.
 - Awarded with **Dean's Merit**.
- **Mathematics and Computer Science @ UNISA** 2022 - 2023
 - Studied key fundamental computer science concepts in detail such as **Algorithms and Data Structures and Object-Orientated Programming**.
- **Computer Software Engineering @ WeThinkCode_** Sep 2022 - Jan 2024
 - Learned a vast range of systems development concepts.

Non-Technical Experience

- **Front Desk Administrator @ WeThinkCode_** Jan 2023 - Dec 2023
 - Duties: Handling inquiries, addressing complaints, engaging with prospective students and visitors, overseeing deliveries.
- **Technical Mentor @ WeThinkCode_** Nov 2023 - Dec 2023
 - Duties: Mentoring and guiding first-year students, hosting workshops and retrospectives, teaching and explaining fundamental coding projects, facilitating teamwork.

Main Projects

InterX Campus

- In a team of 3, we developed a web app called, **InterX Campus**, for WeThinkCode_ aimed at centralizing the essential functionalities required by the Front Desk team.
- This project uses **React, Node.js, Firebase and Vercel**.

Slack Ticket Bot

- In addition to **InterX Campus**, I developed a ticketing system for addressing student issues on campus, which is seamlessly integrated with the **InterX Campus** interface.
- This project used the **SlackAPI, Python, Flask and Firebase**.

Volunteering

- **Technical Support @ WeThinkCode_** *Jan 2023 - Dec 2023*
 - Duties:
 - Dealing with software and hardware issues.
 - Managing hardware and stocktaking.
- **Bootcamp Assistant & Mentor @ WeThinkCode** *Sep 2023*
 - Duties:
 - Guiding prospective students with coding projects.
 - Teaching and explaining fundamental programming concepts.

Extra-Curricular

- **Geekulcha Annual Hackathon** *Sep 2023*
 - Worked in a small team for 2 days to provide a working solution concerning the betterment of South African communities.
 - Provided a web app created with **React** and **Node.js** using **Figma** and **GitHub** as additional tools.
- **#Code4Sirdar Hackathon** *Nov 2023*
 - Worked in a small team for 2 days to develop a performance dashboard for a board of directors.
 - Provided a web app using **React**, **Node.js** and **Python** using **Figma** and **GitHub** as additional tools.
- **BMW Tech Talent Day** *Apr 2024*
 - Worked in a small team for to design and implement an ETL data pipeline and a user-friendly UI/UX for visualizing the collected and processed data.
 - Provided a web app using **Python**, **Azure CosmosDB** and **React** using **GitHub**.

Certifications

- JavaScript Algorithms and Data Structures** *Oct 2023*
 - <https://www.freecodecamp.org/certification/muddbone/javascript-algorithms-and-data-structures>
 - Responsive Web Design** *Oct 2023*
 - <https://www.freecodecamp.org/certification/muddbone/responsive-web-design>
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