Lithi Mgwebi

SOFTWARE DEVELOPER

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Profile

A diligent and hardworking young man with the drive and foresight to achieve all my dreams. Equipped with a National Diploma and an Advanced Diploma, both in Information Technology majoring in Software Development from Nelson Mandela University, I am an enthusiastic programmer with a thirst for knowledge, within the programming space and the broader software development space.

Proficient and knowledgeable in the art of systems development, web development, database administration, and software testing. Adept at breathing programming life to ideas in the most efficient and effective way possible. Versatile at being placed in any project management philosophy, from Agile to Waterfall to Kanban. My knowledge, ability to learn, and systematic approach to my work will make me a versatile player in any team.

Experience

ICT Intern | South African Diamond and Precious Metals Regulator   **APR 2024 – To Date**

At the South African Diamond and Precious Metals Regulator (SADPMR), I play a crucial role in supporting the design, development, and deployment of applications using web technologies such as HTML, CSS, ASP.Net, and VueJS. My responsibilities include collaborating with cross-functional teams to create user-friendly and efficient applications that align with business requirements. I also conduct thorough testing of these applications to ensure their quality, scalability, and adherence to business objectives. In addition to development and testing, I provide comprehensive ICT support within the company. This involves troubleshooting technical issues, maintaining system performance, and offering user support to ensure seamless operation of IT infrastructure. I also manage software updates and patches, ensuring that all systems are up-to-date and secure.

Intern | Tial Technologies   **JUL 2021 – DEC 2021**

At Tial Technologies, I served as a software tester, where my primary responsibility was to ensure the quality and reliability of software through rigorous testing and quality assurance processes. My role involved a variety of testing methodologies, including sanity, white box, stress, load, acceptance, security, regression, non-functional, and functional testing. I was continuously tasked with identifying and resolving issues, ensuring that the code met the highest standards of performance and security. Through my work, I contributed to delivering robust and reliable software solutions that meet the needs of our clients and stakeholders.

Education

AdvDip in Information Technology | Nelson Mandela University   **FEB 2023 – DEC 2023**

Major: Software Development | Status: Completed

NDip: Information Technology | Nelson Mandela University   **FEB 2018 – DEC 2021**

Major: Software Development | Status: Completed

AS Levels | Bellafides Private School   **2017**

Major: Software Development | Status: Completed

Technical Skills

Languages: C#, JavaScript, SQL, HTML5, CSS3,

Testing: Sanity, White box, Stress, Load, Acceptance, Security, Regression, Non-functional, Functional

Frameworks & Libraries: . Net Core Web API, **.**Net Core, ExpressJS, ReactJS, Bootstrap, VueJS

Databases: MS SQL, MongoDB

Design Patterns: MVC, State, Chain of Responsibility, Repository, REST

Soft Skills

- Problem-solving
- Communication
- Adaptable

- Team Player
- Time Management

Projects

Helping Hands | C#, ASP.Net Core, Dapper, MailKit, MS SQL, Stores Procedures, Bootstrap, Razor

- "Helping Hands" is built with C# utilizing an Asp.Net Core system in a Model-View-Controller design.
- MS SQL is used to provide a relational database which uses Stored Procedures to extract data and Dapper to spread it to the MVC models.
- Razor and Bootstrap are used in tandem to provide a vibrant and responsive display.

Blog | JavaScript, NodeJS, ExpressJS, ReactJS, MongoDB, CORS, BCrypt, Multer, Material-UI, Axios

- "Blog" is built with JavaScript on the NodeJS runtime environment.
- Axios and CORS are used together to provide a secure pipeline between server and client.
- The "server-side" uses ExpressJS and utilizes Mongoose to communicate with MongoDB and maintain data in the NoSQL database.
- ReactJS is the bedrock for the client-side and boasts a responsive display using Material-UI and CSS3.

References

Name	Company	Position	Contact Details
Abel Ngwato	SADPMR	Systems Analyst	011 223 7068
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