JANICE NSUNZU

IIoT Software Developer

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PROFESIONAL SUMMARY

Highly motivated Software Developer with an extensive experience in software development currently specializing in IoT applications in the mining and shaft sinking industry. Demonstrated expertise in troubleshooting and resolving technical issues. Proven track record in integrating API's with secondary software systems. Skilled and proficient in Thingworx technology and various programming languages including JavaScript, PHP and Python. I would like to obtain a position where I can apply and add to my experience and my analytical abilities. I am also aiming to be in a team-player position and in a people-oriented organization where I can achieve the organisation's common goals. Most importantly, I want to join an entity that will offer me opportunities for growth within and outside of my profession in order to gain vast experience.

EXPERIENCE

Web Application Developer - YCA

React.js contractual work

📅 November 2024 - Current

- Building an e-commerce website using React.js, Node.js, Mongo db, and Express to achieve the client's desired functionality and user interface.

United Mining Services - 1Worx

IIoT Software Developer

📅 Mar 2022

- Use Scrum Agile methodologies in designing and developing IoT applications for the mining and shaft sinking industry using Thingworx technology and programming languages, including Javascript, Python.
- Worked on integration projects with PLC systems and remote gateways like Moxa using modbus TCP/IP to communicate.
- Conducted training sessions for the mining operations team on how to use the IoT applications.
- Analyzing and interpreting software requirements and specifications
- Debugging and fixing software issues and defects
- Collaborating with cross-functional teams including designers, project managers, and clients
- Participating in code reviews to ensure software quality and maintainability
- Deploying software applications and providing post-deployment support

University of Johannesburg

Software Development Tutor & Assistant

📅 Jan 2021 - Dec 2021

- Tutored classes of over 90 students in software development, front-end technologies, and UX/UI design, using C, JavaScript, HTML/CSS, Figma, and modern frameworks such as React.js and Angular.js. Guided students in Agile methodologies and the Software Development Life Cycle (SDLC)
- Improved exam pass rates from 78% to 87% by implementing hands-on coding sessions, providing personalized feedback, and refining the curriculum for better engagement and comprehension.

EDUCATION

Advanced Diploma, Business Information Technology

University of Johannesburg

📅 Feb 2022 – Dec 2022

NFQ 7 covering software development, business analysis, software testing, and databases

Diploma, Business Information Technology

University of Johannesburg

📅 Feb 2019 – Dec 2021

NFQ 6 covering networks, GUI, responsive design, and front-end development.

CERTIFICATIONS

ThingWorx: Fundamentals of modeling

📅 Oct 2022   📍 PTC University

ThingWorx: Basics of ThingWorx Composer

📅 Sep 2022   📍 PTC University

SKILLS

- Troubleshooting and problem solving
- Designing, Developing and Testing Software Applications
- Risk Assessment and Management
- Developing and maintaining Technical Documentation
- Project Management, Assessment and Acceptance
- Strong Leadership and Communication skills
- Team Collaboration and Agile Methodologies.

Tools

GitHub · ThingWorx · REST APIs · Jira · OOP · Agile · SQL DB · Python · javascript · node js · React js · Angular js · Jenkins CI/CD · AI model (Tensorflow) training · Microsoft Office S · User Requirement Documentation

REFEREES

Available on Request