Oluwajolasun Jaiyesimi

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PROFESSIONAL SUMMARY

Software Engineer with a Master's in Software Engineering and a strong background in full-stack development and machine learning. Proven ability to manage complex projects, collaborate with cross-functional teams, and deliver impactful solutions. Skilled in Python, JavaScript, Java, and various machine learning frameworks.

EXPERIENCE

Software Engineer – Full Stack Developer   September 2023 – Present
CANN Forecast Inc.   Montreal, Canada.
- Managed databases, developed data pipelines, and performed spatial analysis for water management projects.
- Collaborated with domain experts to create user interfaces, interactive maps, and data visualizations.
- Developed an automated email attachment downloader and uploader using Python; deployed via Jenkins for CI/CD.
- Presented project updates and results to both technical and non-technical audiences.

Software Engineer – Machine Learning   September 2022 – June 2023
Hifi Engineering Inc.   Calgary, Canada.
- Developed and implemented machine learning algorithms for sensor data analysis to detect pipeline leaks.
- Collaborated with domain experts to ensure accurate modeling and integration of ML solutions.
- Achieved a 95% accuracy rate in simulated leak scenarios through validation tests.
- Communicated project impact on safety and operational efficiency to varied audiences.

Software Engineer   October 2018 – June 2021
Woodstock Electronics Limited   Lagos, Nigeria.
- Contributed to both frontend and backend development to enhance platform functionality.
- Developed interactive user interfaces using React and other modern technologies.
- Implemented backend components, working with RESTful APIs and databases for seamless data exchange.
- Proactively stayed updated with industry trends and continuously enhanced technical skills.

EDUCATION

Master of Engineering (MEng.), Software Engineering   May 2021 – June 2023
University of Calgary   Calgary, Alberta.
- Graduated with a cumulative GPA: 3.85/4.00

Bachelor of Engineering (BEng.), Electrical and Electronics Engineering   October 2015 – July 2018
Loughborough University   Loughborough, United Kingdom.
- Graduated with a 2nd Class Upper Honors, equivalent of a cumulative GPA:3.72/4.00.

SKILLS

Languages & Technologies: HTML, CSS, JavaScript (React, NodeJS, ExpressJS), Python (NumPy, Pandas, TensorFlow, Keras, Scikit Learn), SQL (MySQL, PostgreSQL), NoSQL (MongoDB), Java (Spring Boot), APIs, C / C++, PHP, WordPress, Linux, MacOS, Windows, Docker, Kubernetes, Apache Spark, Git, GitHub, GitLab, Jenkins, QGIS/GIS, Postman, AWS, nodemon, VSCode, Google Dev Tools, Jupyter Notebook.

Technical & Soft Skills: Agile and Scrum Development, CI/CD, Unit Testing, OOP, SOLID Principles, Design Patterns, Software Development Principles, Analytical Thinking, Attention to Detail, Problem Solving, Critical Thinking, Responsive Web Design, Cross-Browser Compatibility, Communication, Collaboration, Time Management, Adaptability, Presentation Skills.

PROJECTS

Movie Theatre Ticket Reservation App
- Designed the back-end application with Java Spring Boot, creating REST API endpoints for CRUD operations such as user registration, viewing available movies, updating movie seats, ticket cancellation, etc.
- Designed the front-end application with React.js for user interaction.
- **Technologies**: Java, Spring Boot, REST API, JavaScript, React, MySQL, MVC Architecture.

INTERESTS

Working Out, Cooking, Photography, Video Gaming, career development, self-improvement, process improvement.