

# Oluwajolasun Jaiyesimi

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## EDUCATION

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**Master of Engineering (MEng.) Software Engineering** May 2021 – May 2023  
**University Of Calgary** Calgary, Alberta

- Graduated with a cumulative GPA: 3.85/4.00.

**Bachelor of Engineering (BEng.) Electrical and Electronics Engineering** Oct 2015 – Jul 2018  
**Loughborough University** Loughborough, United Kingdom

- Graduated with a 2<sup>nd</sup> Class Upper Honors, equivalent of a cumulative GPA:3.72/4.00

## EXPERIENCE

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**Software Engineer – Machine Learning** Sep 2022 – Jun 2023  
**Hifi Engineering Inc.** Calgary, Canada

- Developed and implemented advanced machine learning algorithms that analyzed sensor data, enabling early detection and localization of potential pipeline leaks.
- Collaborated closely with domain experts to understand the intricacies of pipeline operations, ensuring accurate modeling and effective integration of machine learning solutions.
- Successfully designed and executed validation tests for the leak detection algorithms, achieving a 95% accuracy rate in simulated leak scenarios and increasing confidence in real-world deployment.
- Presented project updates and results to both technical and non-technical audiences, effectively communicating the impact of the leak detection solution on safety and operational efficiency.

**Full stack Developer – Head Teaching Assistant** Sep 2021 – May 2023  
**University of Calgary** Calgary, Canada

- Spearheaded a cutting-edge project to develop a full stack application that offered a unique and compassionate approach to generating obituaries using modern technologies and cloud services.
- Led a team of teaching assistants and collaborated with students to create a full stack application using React for the front-end and leveraging AWS services for obituary generation, text-to-speech conversion, and multimedia storage.
- Developed the core functionality of the application, enabling users to input information about a fictional or real individual, and then utilizing ChatGPT api to generate personalized and respectful obituaries.
- Hosted workshops and tutorials to introduce students to the project's technologies, promoting hands-on learning and enabling them to create their own innovative applications.

**Woodstock Electronics Limited** Lagos, Nigeria  
**Software Engineer** Oct 2018 – Jun 2021

- Played a crucial role in the software engineering team, focusing on both frontend and backend tasks to support the platform's functionality, user experience, and technical performance.
- Participated in the development of the platform's frontend, harnessing React and other modern technologies to create interactive user interfaces that facilitated engagement, data sharing, and communication among farmers, suppliers, processors, and consumers.
- Assisted in the implementation of backend components, working with RESTful APIs and databases to ensure the seamless exchange of data and information across the platform.
- Showcased a proactive approach to continuous learning by staying up-to-date with industry trends, exploring new tools, and seeking opportunities to enhance technical skills and knowledge

## SKILLS

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**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++, Apache Spark, Git, GitHub, Postman, AWS (Amazon Web Services), nodemon, VSCode, Google Dev Tools, Jupyter Notebook

**Technical & Soft:** Agile and Scrum development, CI/CD. Unit Testing, Object-Oriented Programming (OOP), SOLID, 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

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Movie Theatre Ticket Reservation App

- Designed the back-end application with Java Spring boot, creating REST API endpoints to perform CRUD operations for the requirements such as registering a User, viewing available movies, updating movie seat, ticket cancellation etc.
- Designed the front-end application with React.js used for the client side for users to interact with the application.

**Java Spring Boot REST API JavaScript React MySQL MVC Architecture Database**

## INTERESTS

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