

Christian Onyeukwu

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PROFESSIONAL SUMMARY

Motivated and adaptable software engineer with more than 6 years of full-stack and cloud experience, recently completed an MSc in Computer Science (December 2024) with research focus on real-time reactive systems. Eager to contribute to agile teams across Canada; open to relocation and ready to start immediately.

EDUCATION

BISHOP'S UNIVERSITY

MASTER OF SCIENCE IN COMPUTER SCIENCE

Graduated Dec 2024 | Sherbrooke, QC

Thesis : Algebraic/Logical Verification for Real-Time Reactive Systems.

Researcher (2022 - 2024) : Investigated formal methods and logic based systems, collaborated with Prof. S. Bruda on reactive System verifications using algebraic models.

TECHNICAL SKILLS

Programming:

•Java•JavaScript•Python•ReactJS•NodeJS•SQL

Frameworks & Tools:

•Spring Boot•Docker•Kubernetes•Kafka •Jenkins•Ansible•ROS

Cloud & DevOps:

•AWS•Git•CI\CD Pipelining •Shell Scripting•Linux

Architecture:

•Microservices•REST APIs •Agile•TDD

EXPERIENCE

ECR TECHNOLOGY SERVICES | SOFTWARE ENGINEER

Aug 2016 – May 2022

- Designed and implemented cloud-based solutions to modernize legacy systems, reducing downtime by 40%.
- Led the development of the QikPharma web application for medication prescriptions, integrating real-time customer feedback loops to continuously improve system accuracy.
- Developed and deployed RESTful APIs using Java Spring Boot and NodeJS, ensuring scalability and security best practices.
- Delivered technical support for critical systems, resolving 90% of escalated issues within SLA timelines.

IMPACT:Improved system reliability and customer satisfaction scores by 35%.

BISHOP'S UNIVERSITY | TEACHING ASSISTANT

Feb 2022 – May 2022

- Grade assignments, quizzes, lab reports, and exams in alignment with the instructor's guidelines.
- Maintain course-related records, such as attendance or grades, and provide constructive feedback to students to help them improve their understanding and performance.

IMPACT: Increased student engagement by 25% through interactive learning techniques

PROJECTS

QIKPHARMA - (MEDICAL PRESCRIPTION MGT. SYSTEM) |

PLANNING LEAD

Jan 2021 – May 2022 | ECR

Technology Services

- Defined and implemented multi-role workflow paths such as pharmacist, prescription validation, approval and fulfillment.
- Developed and deployed REST APIs for the backend processes, ensuring scalability and security best practices.

CHIT CHAT | CLASS PROJECT FOR DISTRIBUTED CLIENT-SERVER PROGRAMMING

Apr 2022 – May 2022 | BU, CA

- Lead the development of **Chit Chat**, an anonymous chat application created as a class project.
- Chit Chat provides real-time communication while utilizing a Java backend and ReactJS frontend.

PUBLICATIONS

[1] C. Nworu, E. Ekpenyong, J. Chisimkwuo, C. Onyeukwu, G. Okwara, and O. Agwu. The effects of modified relu activation functions in image classification. *Journal of Biomedical Engineering and Medical Devices*, 2022.

[2] C. Onyeukwu and S. Bruda. Algebraic/logical verification for real-time reactive systems. *Bishop's University, MSc Theses*, 2024.

CERTIFICATIONS

Oracle Certified Associate (OCA), Java SE Programmer, March 2016