
CHRISTIAN ONYEUKWU

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Summary

Dynamic and results-driven IT Professional with over 5 years of experience in software development, systems analysis, and research. Expertise in designing, developing, and optimizing RESTful APIs with proficiency in Java, Python, JavaScript, and related technologies. Demonstrates a solid understanding of performance, scalability, and security in software systems. Skilled in cross-functional collaboration, problem-solving, and innovation, aiming to contribute effectively to cutting-edge IT solutions or academic research.

Experience

Software Developer/Engineer **08/2016 to 01/2022**
ECR Technology Services

- Designed and implemented cloud-based solutions to modernize legacy systems, reducing downtime by 40%.
- Led the development of the QikPharma web application for medication prescription, incorporating real-time feedback loops from customer data to refine system accuracy.
- Developed and deployed RESTful APIs using Java and Spring Boot, ensuring scalability and security best practices.
- Delivered technical support for critical systems, resolving 90% of escalated issues within SLA timelines.
- Reviewed and modified unit and integration tests to improve software quality and reliability.
- Documented technical specifications and project testing methods for future reference.
- Implemented security measures, such as authentication protocols, to protect sensitive data.
- Maintained source control repositories such as GitHub and Azure for versioning purposes.

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

Teaching Assistant **02/2022 to 05/2022**
Department of Computer Science, Bishop's University **Sherbrooke, Quebec**

- Grade assignments, quizzes, lab reports, and exams in alignment with the instructor's guidelines.
- Provide constructive feedback to students to help them improve their understanding and performance.
- Maintain course-related records, such as attendance, or grades.
- Assist with the preparation of course materials, including photocopying, formatting, and uploading content to learning management systems (e.g., Moodle).

Impact: Increased student engagement by 25% through interactive learning techniques.

Lecturer **02/2019 to 12/2021**
Department of Computer Science, Michael Okpara University **Umudike, Nigeria**

- Develop, review, and update curriculum and course materials to align with academic and industry standards.
- Deliver lectures, tutorials, and practical sessions in computer science topics such as programming, algorithms, databases, and artificial intelligence.
- Design and administer assessments, including assignments, quizzes, projects, and exams.
- Evaluate student performance, and provide constructive feedback.
- Guide students in laboratory sessions, ensuring they gain hands-on experience with programming tools and technologies.
- Supervise final-year projects, and provide technical mentorship.

Production Assistant (unrelated Part-time Job) **01/2023 to 03/2024**
KDC/ONE **Knowlton, Quebec**

- Supports the production team in ensuring smooth operations, efficiency, and quality in the manufacturing process.
- Assist in preparing and organizing materials, tools, and equipment needed for production activities.
- Monitor the production line to ensure a smooth workflow, and address minor disruptions.

Education and Training

Master of Applied Science: Computer Science

12/2024

Bishop's University

Sherbrooke, QC, Canada

- Thesis Title: Algebraic/Logical Verifications For Real-time Reactive Systems

Post Graduate Program: DevOps

05/2024

Edureka/Purdue University

Online

Bachelor of Science: Computer Science

10/2014

Michael Okpara University of Agriculture

Umudike, Umuahia, Nigeria

- Academic Achievements and Honors: First Class

Certifications

- Certified Java SE Programmer, Oracle - 2016

Publications

- The Effects of Modified ReLU Activation Functions in Image Classification. <https://www.longdom.org/open-access/the-effects-of-modified-relu-activation-functions-in-image-classification-94927.html>

Technical Skills

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| • Languages: Java, Python, JavaScript | • Methodologies: Agile, Scrum |
| • Tools and Platforms: AWS, Docker, Kubernetes, Microsoft Azure, GitHub | • DBMS: MySQL, PostgreSQL |
| • Frameworks: Spring Boot, NodeJS, ReactJS | |

Key Strengths

- Business Requirements Analysis
- Gap Analysis and Workflow Optimization
- Cloud Infrastructure Design
- Research and Academic Writing
- DevOps practices