
IKECHUKWU ONYEKANNA

Saskatoon, Canada • +1 (306) 717 - 8581 • ionyekanna@gmail.com

[in linkedin.com/in/ikechukwu-onyekanna-2887045a/](https://www.linkedin.com/in/ikechukwu-onyekanna-2887045a/) [github ionyekanna.com](https://www.github.com/ionyekanna.com)



Senior Software Engineer

Key Qualifications

- **Extensive Programming Experience:** 7 years of hands-on software development
- **Advanced Architecture:** Expertise in SOA, microservices, and event-driven architecture
- **Scalability:** Proven ability to design and implement highly scalable distributed microservices
- **Containerization:** Proficient with Docker and Kubernetes for seamless deployment and management
- **API Development:** Skilled in designing and developing RESTful APIs
- **Test-Driven Development:** Strong advocate for TDD, with a deep understanding of algorithms and data structures
- **Object-Oriented Design:** Advanced skills in Java and OOP principles
- **Modern Frontend Technologies:** Experience with HTML, CSS, Javascript, React, and Angular
- **Database Expertise:** In-depth knowledge of relational (PostgreSQL, MySQL, MS SQL) and NoSQL databases (MongoDB)
- **SQL Proficiency:** Expertise in data model design, query optimization, and caching
- **Project Management:** Competent in task planning, estimation, scheduling, and tracking
- **Asynchronous Processing:** Experience with multithreading and asynchronous processing
- **Software Design:** Skilled in high-quality software designs and system modeling
- **Technical Documentation:** Proficient in writing comprehensive technical documentation
- **Effective Communication:** Excellent communication and collaboration skills with diverse stakeholders
- **Strategic Thinking:** Creative and strategic thinker with a focus on aligning solutions with company goals
- **Technical Proficiency:** Proficiency in modern software languages and quick adaptability to new technologies
- **Leadership and Mentorship:** Experience in leading, mentoring, and improving processes and code quality
- **Advanced Debugging:** Expertise in diagnosing and resolving complex software issues
- **Multi-Tenant Solutions:** Skilled in designing and managing multi-tenant applications
- **System Integration:** Experience with Enterprise Integration Patterns (EIP)
- **Agile Methodology:** Strong experience with the Scrum framework for iterative development

Experience

Oct 2023 - Till Date

Senior Software Engineer

Teacup Tech Systems (Consultant to Medavie Blue Cross)

Working with a team at Medavie Blue Cross and building, improving, and migrating monolith services that handle health insurance claims, adjudications, etc.

Apr 2021 - Oct 2023

Senior Software Engineer

Unifonic Inc

- Collaborated with a cross-functional team to develop and launch a no-code workflow studio, enabling users to create complex workflows without coding knowledge.
- Designed and managed an integration service that seamlessly connected internal and external services, supporting multiple protocols and enhancing overall system efficiency.
- Developed a customer data platform for profiling and segmenting customer data, enabling targeted marketing campaigns and personalized customer experiences.
- Implemented rigorous testing strategies, resulting in a 40% increase in test coverage and improved software quality.
- Optimized workflow executions and simplified logic complexities, enhancing system performance and reducing potential errors.
- Maintained clear and consistent documentation, ensuring ease of understanding and knowledge transfer within the team.
- Actively sought opportunities for professional growth and stayed updated with the latest technologies and industry trends.
- Diligently proofread all code and documentation, ensuring accuracy and reliability of work.

April 2019 - Feb 2021

Lead Software Engineer

Cellulant Nigeria Limited

- Served as the lead software engineer, providing technical expertise and guidance to a team of junior engineers, resulting in improved productivity and quality of deliverables.
- Designed and developed a farmer's enumeration platform, streamlining data collection and analysis processes, and enabling efficient decision-making in the agricultural sector.
- Developed a subsidy input management system, automating the process of managing and distributing agricultural subsidies, resulting in increased transparency and accountability.
- Led the design and development of an agricultural marketplace platform, connecting farmers with buyers and facilitating seamless transactions, contributing to the growth of the agricultural ecosystem.
- Designed an integration service for a permissioned blockchain built on Ethereum, PayU 3D secure service, NIBSS Agency banking service, and Zenith Bank's agency banking service, ensuring secure and efficient data exchange between multiple systems.
- Mentored and coached junior engineers, providing guidance and support in their professional development, resulting in improved technical skills and job performance.
- Ensured consistency and clarity in all software design and development activities, following best practices and industry standards.
- Conducted thorough testing and debugging of software applications, identifying and resolving issues to ensure high performance and reliability.

Oct 2017 - April 2019

Senior Software Engineer

Interswitch Group

- Led the architectural design and development of complex enterprise applications, improving existing systems and enhancing overall performance and functionality.
- Designed and implemented a bespoke trade solution software for UBA and Union Bank, integrating with Finastra and other bank solutions, resulting in streamlined trade operations and increased efficiency.
- Led a team of developers in building a multi-tenant trade solution software as a service using microservice architecture, enabling seamless scalability and customization for clients.
- Collaborated with cross-functional teams to integrate the trade solution software with core banking financial and trade solutions, ensuring seamless data flow and interoperability.
- Utilized industry best practices and standards to ensure the security, reliability, and performance of the software applications.
- Maintained clear and concise documentation of architectural designs and system integrations, facilitating ease of understanding and knowledge transfer within the team.
- Communicated effectively with stakeholders, explaining complex technical concepts in a clear and concise manner.
- Diligently proofread all documentation and code, ensuring accuracy, quality, and adherence to coding standards.

Jun 2015 - Oct 2017

Enterprise Systems Integration Engineer

Interswitch Group

- Enterprise applications architect,
- Design of Internet banking backend services and integration to core banking solutions,
- Integration of ISO Messages from ATM to private services
- Architectural designing of complex enterprise application
- Internal integration of recurrent billing solution and USSD quick recharge solutions
- Developed and improved different financial services while following approved standards such as PCI DSS standards.
- System integration to web services(REST and SOAP) API using JAX-RS, spring boot
- Developed microservices for trade applications using Spring boot, Redis server, MongoDB, MS SQL, AMQ, Reactjs
- Developed a circuit breaker for resource optimization and also for security purposes.
- Providing technical support to clients both onsite and offsite.
- Performed integrations to different protocols including REST, SOAP API, SFTP, and Queues.

Technologies

- **Programming Language (Backend and Frontend)**– Java, PHP, HTML, CSS, Javascript.
- **Database**– Microsoft SQL Server (MS SQL), MySQL, Redis, MongoDB, and PostgreSQL.
- **Frameworks**– Spring boot, Spring Security, Junit, Apache Camel, Camunda, Apache Kafka, Apache Tomcat, Apache Velocity, Angular, Bootstrap, Cakephp, Slim PHP, Spring Cloud Config, Spring OAUTH2
- **Web Servers**– Nginx, Apache
- **Servers**– Ubuntu, Redhat Enterprise Linux, Centos, Windows
- **CI/CD, Containerisation and Queue** - Jenkins, Docker, Kubernetes, RabbitMQ
- **Tools** - Jira, Confluence, Miro, SonarQube, Apache JMeter, Bitbucket, GitHub, Kibana, Elasticsearch, Newrelic, Git, Maven,
- **Certifications**– MCITP, CEH, Lean Sigma, Software Architecture

Summary

Ikechukwu Onyekanna is a highly skilled Senior Software Engineer and Solution Architect with a strong background in building and improving software solutions. He has extensive experience working with teams and has successfully delivered projects in various industries, including health insurance, workflow management, and agriculture. Ikechukwu's expertise includes solution architecture, team leadership, and mentoring. He has a proven track record of designing and developing platforms and integration services, as well as improving test coverage and workflow executions. With a Bachelor's degree in Electrical and Electronics Engineering, Ikechukwu brings a strong technical foundation to his work. He is seeking opportunities to leverage his skills and contribute to innovative software solutions.

Education

2007 - 2012

Bachelor of Engineering (B.Eng.), Electrical and Electronics Engineering

Ambrose Ali University

Designed the departmental website for my department and hosted it internally using an Apache web server, MySQL database, and PHP.

Collaborated with some students and we reconnected the department's internal network and installed new wireless access points.