Ikenna Ifekaonwu

Software Engineer

SKILLSET

- Over 5 years of experience in Software development.
- 4+ years experience in Java, Python, JavaScript, SpringBoot and Micro-services.
- More than 3 years experience using React, and NodeJs.
- 3+ years experience in DevOps and Continuous Integration and Deployment
- Experienced in an Agile Scrum development environment, participating in Sprints and Scrums; and employing Test Driven Development (TDD) and Continuous Integration.
- Apply TDD, BDD, Waterfall and Agile practices.
- Hands-on applying MVC, and MVVM architectures.
- In-depth understanding of OOP programming theory (e.g., polymorphism, inheritance, data abstraction, data encapsulation) and demonstrated skill programming in Java, Python, Swift and C#.
- Adept implementing design patterns Singleton, Delegate, Notifications, Factory, Adapter, etc.
- Skilled gathering requirements and producing technical documentation and wire frames.
- Goal-oriented with a focus on client satisfaction.
- Experience working in multicultural Agile Scrum environments with both local and remote teams.
- Confident and comfortable working on any team size.
- Use 3rd-party frameworks and libraries for various web services and APIs.
- Consume and manage RESTful and SOAP web services with XML and JSON formats.
- Working Knowledge on MongoDB, DynamoDB, Firebase and Bootstrap Technologies. Well-developed knowledge on object-oriented programming languages like Java, Python.
- Familiar with Git version control systems such as Github and Amazon web services
- Working Knowledge on Agile Software Development methodology.
- Front-end Developer with years of hands-on experience.
- Ability to make technical decisions and influence the overall technical design. Designed and developed intranet web applications using JavaScript and CSS.
- Experience in testing website and applications in multiple browsers to ensure cross browser compatibility. Compile timely, comprehensive, and accurate documentation and or reports as requested
- Designing algorithms and flowcharts to create new software programs and systems
- Testing and deploying programs and applications, modifying software to fix errors, adapt it to new hardware, improve its performance, or upgrade interfaces. Directing system testing and validation procedures.
- Designing and developing software systems using scientific analysis and mathematical models to predict and measure outcomes and design consequence. Preparing reports on programming project specifications, activities, or status
- Proven ability to prioritize, multi-task, and work well under pressure. Organized, self-motivated, with strong leadership skills and ability to take ownership of projects. Strong team player as well as self-driven and able to work independently as well as in the team.
- Ability to learn and implement new technologies and challenging concepts quickly.

Technical Skills

Programming Languages
Java, JavaScript, Python, Swift, HTML/CSS, SQL, MATLAB

Operating Systems
Linux, Unix, Windows

Web Services
RESTful, SOAP, JSON, XML

Architecture & Design Patterns
MVC, MVP, MVVM, Abstract Factory, Façade, Decorator, Builder, Singleton

Testing
Unit Testing
Integration Testing
Mockito
Jest
Selenium
Swagger UI
PostMan

Software Project Management
Agile, Scrum, Pair Programming, Xtreme Programming, Software Development Lifecycle (SDLC), Sprint Planning, Requirements Gathering, Backlog, Daily Scrums, Task Prioritization, Working with Product manager, Scrum Master

IDEs/UI Tools
Eclipse
IntelliJ
PyCharm
Visual Studio

Frameworks / Library
Spring, SpringBoot, Serverless, Typescript, React, React-Redux, React-Router, Angular, Django, Bootstrap, Semantic UI,

Desktop Software
Proficient in Microsoft Office Word, Excel, PowerPoint, & Access

Project Tools
JIRA, Confluence, Slack, Trello, Microsoft Word, Excel, PowerPoint

Version Control
Git, GitHub, SourceTree, BitBucket

Continuous Integration
Jenkins, AWS, CICD, DevOps, GitHub

Databases
SQL, MySQL, NoSQL (MongoDB, DynamoDB), SQLite, Firebase

Experience

May 2022 - December 2022
Software Engineer - Backend
Nike Data Streaming (Nike / Kforce) *| Beaverton, Oregon*
Technology: *NodeJS, Express JS, Serverless, AWS, Python, Apache Kafka, Agile, Splunk, SQS, SNS, SQL Server*
App Summary: A Nike Data Streaming platform for collecting, processing and analyzing data from various sources. This allows Nike to better understand customer preferences, improve their products and marketing strategies, and make data-driven decisions.

- Evaluate and interpret contract data, developing a comprehensive source-to-target mapping strategy to streamline data transformation and downstream publishing while decreasing code complexity and enhancing code maintainability.

- Design and develop a distributed queue system to efficiently consume, transform, validate, and store data from upstream sources in DynamoDB/DynamoDB Stream and publish it downstream, resulting in a 90% reduction in data loss.
- Develop and execute an algorithm utilizing Python, SQL, and Excel to identify discrepancies in contract data, resulting in the elimination of human error and a 75% improvement in efficiency.
- Utilize Splunk to process and monitor organizational data, integrating Apache Kafka for data streaming and publishing to over 4 million subscribers.
- Performed complete unit testing for high-profile customer-facing interface applying knowledge of Jest eliminating the system's failure rate by 82%.
- Built data pipelines using Kafka and Spark streaming using the feed from API streaming Gateway REST services.
- Proactively participated in sprint planning, design meetings, and backlog refinement using Agile and Scrum methodologies, which helped prioritize development tasks and led to a 30% decrease in ad-hoc work requests.
- Created a lambda function trigger that processes, transforms, validates, and stores data, which improves the speed of requests by 15% by automating the actions when one action is completed.
- Design and implement automated infrastructure and cloud environment provisioning procedures, resulting in 100% successful launches and a significant reduction in hosting costs.
- Documented solution architecture for critical external applications, reducing time-to-market by 54% ensuring high code maintainability.
- Lead mentorship and organize Knowledge Transfer (KT) sessions for new team members, covering high-profile application development, agile practices, and design sessions resulting in a shorter time to onboard.

December 2021 - May 2022

Software Engineer - *FullStack Developer*

Capacity Visibility (Nike / Infosys) *| Beaverton, Oregon*

Technology: *Java 1.8, Spring MVC, Spring Boot, Hibernate, AWS, HTML, XML, CSS3, JavaScript, React Js, web Services, MySQL, Log4j, JWT, Junit*

App Summary: This application allows Nike to remotely monitor factory production processes and measure productivity. It provides real-time data and analytics on factory performance, enabling the company to make informed decisions on supply chain management and improve overall efficiency. Additionally, it can also provide alerts and notifications of any issues that arise during the manufacturing process.

- Designed and developed multi-tier applications using web-based technologies such as Spring MVC and Spring Boot.
- Conducted comprehensive unit, load, and integration testing for a high-profile customer-facing portal, resulting in a 85% reduction in failure rate.
- Implemented cross-browser compatibility for dynamic web applications using technologies such as HTML5, CSS3, JavaScript, AJAX, JSON, and Bootstrap.
- Implemented logging functionality using Log4j and Slf4j technologies to provide a comprehensive perspective of the project.
- Designed and configured a fully automated continuous integration and continuous deployment (CI/CD) pipeline, resulting in an increase in deployment speed.
- Integrated third-party libraries and external APIs as part of the implementation of a high-volume internal web application, resulting in significant improvements in app functionality and increased system resilience.

- Employed Object-Oriented Programming (OOP) concepts to design and develop reusable UI components for the web application.
- Implemented React-Redux to manage state, improve code maintainability and provide a single source of truth by handling actions and modifying stored state.
- Implemented middleware and React Sagas to retrieve data from the back-end, perform RESTful services, and enhance system cohesion while maintaining manageable code complexity.

July 2021 – December 2021

FullStack Developer

Ahia - Ecommerce (Aipalbot LLC) | *San Francisco / California (Remote)*

Technology: *Java 1.8, Spring MVC, Spring Boot, Hibernate, AWS, HTML, XML, CSS3, JavaScript, React Js, Rest API, SQL Server, Tomcat 8*

App Summary: A shopping app that features pickup or home delivery and skip the trip inside the store. The application also includes features such as personalized recommendations, wishlists, and account management. Additionally, the application is optimized for mobile devices, providing a seamless user experience on-the-go. The application also integrates with various payment gateways for secure and easy transactions.

- Participated in multiple phases of the Software Development Life Cycle (SDLC) including requirements gathering, modeling, analysis, architectural design, and development.
- Developed the Product and Category section of the application using Spring boot framework for dependency injection and integration with Object Relational Mapping (ORM) tools like Hibernate for data persistence.
- Designed and developed the Product and Category section of the application utilizing Spring boot framework for dependency injection and integrating with Object-Relational Mapping (ORM) tools such as Hibernate for data persistence.
- Developed and optimized database structures and functions using advanced SQL techniques, including the creation of complex queries, triggers, stored procedures, packages, and views in various databases such as MySQL, SQL Server, and MongoDB.
- Implemented advanced programming techniques including object-oriented programming concepts, method overloading, and method overriding to enhance the functionality and efficiency of the application developed using Java.
- Implemented and maintained the microservice architecture using Spring Boot, enabling the seamless communication and integration of services through a combination of RESTful APIs and Apache Kafka message brokers, resulting in improved scalability and flexibility of the system.
- Implemented Agile/Scrum methodology to consistently deliver high-quality work in each sprint, prioritize tasks and effectively manage backlog to achieve a significant reduction.
- Implemented a Single Page Application (SPA) development strategy using React and React-Router, which resulted in the reduction of multiple HTML page creation and improved the user experience.
- Integrated external libraries and Middleware in the application to retrieve data from Back-End and perform Restful services, resulting in improved functionality and increased system resilience.
- Utilized Docker to create images for Mongo Express and Mongo DB provisioning, and integrated Jenkins for continuous integration to improve the development and deployment process.

December 2020 – July 2021

Java Backend Developer

Xeanco (Aipalbot LLC) | *San Francisco / California (Remote)*

Technology: *Java 1.8, Spring, Springboot, Git, Maven, Hibernate, HTML, XML, CSS3, JavaScript, React Js, UML, Servlet, MySQL*

App Summary: This is a company's corporate website featuring information about the company's products and services, as well as information about the company itself such as its mission, history, and contact information. The website may also include a blog or news section to keep visitors informed about the company's latest developments and industry news.

- Involved in the review and analysis of the functional specifications, requirements clarification, and design of the initiatives using rational application development.
- Participated in grooming, planning, estimating stories, and identifying dependencies with the product owners, scrum masters, and teams using the Scaled Agile Framework (SAFE) methodology.
- Responsible for implementing and maintaining server-side business logic, designing and writing efficient and maintainable code, creating UML diagrams to visualize system architecture, and ensuring the successful completion of all enhancements and updates to the work product.
- Designed and implemented the application using Spring Boot, Spring annotations, and Spring IOC and utilizing Hibernate to retrieve and store data in the database.
- Participated in meetings with stakeholders and business analysts to gather requirements and understand the objectives of the project.
- Managed GitHub repository creating branches doing merge pull requests, and releases increasing collaboration among team members and faster deployment of applications.
- Implemented Dependency Injection for the database helper instance to the action objects for the business-critical customers-facing portal improving data integrity and execution efficiency utilizing SQL.
- Employed continuous integration using Jenkins for deployment and test-driven development (TDD) to ensure optimum test coverage and reduce failure rate by 78%.
- Designed and implemented five new UI screens using React single-page application features thereby eliminating code redundancy and repetition.

June 2020 – December 2020

FullStack Developer

Taja - E-commerce. (Aipalbot LLC) | *San Francisco / California (Remote)*

Technology: *ava 1.8, Spring, Springboot, Git, Maven, Hibernate, HTML, XML, CSS3, JavaScript, React Js, AWS, Servlet, MySQL, Azure*

App Summary: The e-commerce platform allows retail sellers to connect with customers within a specific geographic location for easy communication and product delivery. The platform allows sellers to manage inventory, process orders, and handle customer interactions efficiently. Additionally, the platform provides features such as real-time tracking of product delivery, customer reviews and ratings, and secure payment options.

- Utilized my expertise in software development to review and analyze functional specifications, clarify requirements and design initiatives utilizing rational application development methodologies.
- Implemented application design and development using Spring Boot, Spring annotations, Spring IOC, and handling security using Spring Security.
- Implemented unit and integration testing using Junit and Selenium to ensure optimal code coverage and reduce the number of defects by 80%.
- Migrated existing on-premises environments to the cloud for critical online service resulting in a reduction of servers and infrastructure administration.
- Maintaining newly developed and legacy systems for business-critical progressive web applications using expertise in Spring Boot, JavaScript, and SASS.

- Implemented and maintained POJO classes and Spring configuration files for dependency injection, ensuring adherence to coding standards through regular code reviews and walkthroughs with team members.
- Used OOP design and Core Java concepts such as Collections, Multithreading, and Exception Handling.
- Implemented an isomorphic responsive design approach for the website, utilizing techniques such as media queries and flexible grid systems, to ensure optimal display and functionality on a range of devices, including desktops, tablets, and mobile devices. This approach resulted in a seamless user experience across all platforms and resolved previous responsive issues.
- Implemented Git source control process with GitHub, enforcing required peer reviews before merging to increase collaboration among team members and accelerate the deployment process.

August 2019 – May 2020

Web Developer

Cybertrain (Georgia Southern University) **|** *Statesboro, GA*

Technology: *HTML, XML, CSS3, JavaScript, web Services, web Services, Agile, SQLite, Python, Django*

App Summary: A Cyber security online learning platform which utilizes external APIs from social media platforms to enhance the platform's functionality and an in-built video storage database to train students on cyber crime awareness. The platform aimed to increase students' awareness and understanding of cyber threats and how to protect themselves from them.

- Participated in the design and development of web applications, contributing to high-level and low-level design specifications, and working closely with the development team to ensure the application meets the requirements and specifications.
- Spent over 300 hours in immersive training in full-stack Development technologies such as Python, Django, MySQL, JavaScript, and jQuery to enhance my skills and knowledge in web development and improve my ability to deliver high-quality solutions for clients.
- Utilized jQuery to enhance the interactivity and dynamic functionality of web pages by connecting HTML, CSS, and JavaScript functions.
- Optimized the application's performance by implementing caching techniques and minifying CSS and JavaScript files.
- Utilized Jasmine and Karma to perform unit testing on individual functions and modules, and debugged any issues that were identified during testing.
- Debugged and troubleshooted issues related to the front-end of the application, working closely with the development team to resolve problems in a timely manner.
- Prepared the technical design document for both the presentation tier, as well as the middle layer.
- Implemented front-end validation using JavaScript and jQuery to ensure data consistency and prevent errors on the client side before data is sent to the server.

October 2015 – July 2019

Software Specialist / Web developer

Citrans Telematics Solutions**|** *Onsite*

Technology: *Python, Django, CSS, HTML, JavaScript, SQLite, jQuery, Bootstrap*

App Summary: A web-based asset tracking system that utilizes GPS technology and real-time data to provide businesses and individuals with real-time visibility into the location and status of their assets.

- Utilized Python and Django to create the automated vehicle report delivery system and increased the Customer Happiness Index by 50%.

- Implemented and maintained the application using various web technologies such as HTML, CSS, JavaScript, and jQuery to provide a seamless user experience.
- Coordinated with engineering and product teams to identify customer requirements for mission-critical customer-facing issues and participated in technical walkthroughs to ensure code met standards.
- Involved in technical walkthroughs with the team members to make sure the code is up to standard.
- Utilized reverse-engineering techniques to improve the interoperability and maintainability of legacy modules in critical progressive web applications.
- Integrated third-party APIs to decrease system complexity and executed software development while documenting functionality, design, and architecture.

CERTIFICATION

Google Project Management Certificate - 2022
Amazon Web Services Certified Developer - Associate - 2021
Amazon Web Services Cloud Practitioner - 2021

EDUCATION

Master of Science - Engineering (Mechatronics and Robotics),
Georgia Southern University