

# **Ikenna Ifekaonwu**

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## **SUMMARY**

Custom driven, quality focused self-motivated and committed team player with demonstrated ability in roles such as full stack Java developer, graduate research assistant and hardware and software specialist. A positive, innovative, results-driven Software Developer with years of experience and who takes pride in the ability to effectively combine workplace objectives with personal and professional goals. Adept at solving various technical problems with practical solutions using various types of computer software. Enjoys working with a team to overcome obstacles and challenges. Detail oriented individual with highly professional attitude, strong leadership, problem solving, relationship-building skills and ability to perform well in a team. Looking for an opportunity in a dynamic organization where my skills will be fully utilized.

## **SKILLS**

- General Programming skills
- Communication Skills
- Time Management
- Management Skills
- Team-work Skills
- Problem Solving
- Software Testing
- Software design
- Software Documentation

## **CORE QUALIFICATIONS**

- Programming: Java, Spring boot, Python, C#, MATLAB, JavaScript, React, Angular, Typescript, Django, React, Native, CSS, HTML, Bootstrap, DynamoDB, MySQL, MongoDB, Firebase, AWS, Microsoft Azure, ASP. NET Core, MVC
- Software: Git, Jira, Bitbucket, Ansys Workbench, Solid works, AutoCAD, Autodesk Netfabb, Adobe Illustrator, Photoshop, After Effects
- Expertise: Amazon Web Service (AWS), Front-end Development, Java Microservice, Junit Testing, Core Java, Programming, Database Application Development, Agile methodologies and Design Pattern, REST APIs, Collaborative Development
- Working Knowledge on MongoDB, DynamoDB, Firebase and Bootstrap Technologies. Well-developed knowledge on object-oriented programming languages like C#, Java. Developed several Android applications in Java
- Familiar with GIT version control systems such as GITHUB and Microsoft Azure
- Working Knowledge on Agile Software Development methodology.
- Front-end Developer with more years of hands-on experience. Deep understanding of CSS, HTML, JavaScript. Demonstrated
- knowledge of and experience using web-based tools, technologies, practices and web authoring software (JavaScript, Java, React, Angular, Typescript, Django), HTML and CSS. Strong JavaScript experience: familiarity with various JavaScript frameworks, and gesture/touch-based JavaScript.
- Ability to make technical decisions and influence the overall technical design. Designed and developed intranet web applications using JavaScript and CSS.
- Experience in testing websites 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 consequences. 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.

## **EDUCATION**

- Georgia Southern University, Statesboro - M.S Mechatronics, 3.67/4.0 - 2021
- Federal University of Technology - B.S Mechanical Engineering, 3.11/4.0 - 2014

## **CERTIFICATIONS**

- Amazon Web Services Certified Developer – Associate, 2021
- Amazon Web Services Cloud Practitioner – 2021

## **PROFESSIONAL EXPERIENCE**

### **JAN 2020 – PRESENT**

#### **AIPALBOT LLC CALIFORNIA, USA**

##### **Full Stack Developer**

- Developed REST API using Spring boot and MySQL database
- Conducted the implementation of MVC pattern using React JS and spring controller
- Developed front-end applications using TypeScript, JavaScript, and JavaScript frameworks, including Angular.js
- Created API to connect AWS DynamoDB with S3 for large data storage
- Extensive use of database programming to store data, functions and triggers using SQL, and MySQL.
- Use Spring boot to develop various Restful APIs that accept and process requests in a readable format such as JSON
- Created clinician registration form and validation UI using React Hooks
- Collaborated extensively with other team members to develop enterprise applications using Object Oriented Programming and Scrum and Agile approach.
- Migrated on-premise applications to AWS cloud

### **August 2019 - Jan 2020**

#### **Georgia Southern University Statesboro, Georgia, USA**

##### **Graduate Research Assistant/Full Stack Developer**

- Design and develop new features or improve existing features
- Provide technical leadership to a development team with responsibility for architecture, design and implementation
- Collaborate and work with other students in developing algorithm for Jetbot Robot manipulation
- Created a Fast Fourier Transformation for analysis of the frequency of 3D printed materials.
- Conducted a spatial decomposition of video signal with a phase-based motion magnification technique and reconstruction of the magnified output
- Provide development support for existing applications
- Built Cybertrain web applications using Django, JavaScript, jQuery, Html and CSS

### **October 2015 – July 2019**

#### **Citrans Telematics Solutions, Lagos, Nigeria**

##### **Hardware and Software Specialist**

- Providing input to the continual development of tooling and reporting with a view to providing tangible business benefit
- Performed system upgrades, software updates, and configuration of telematics devices on RS485 Holykell Fuel level sensors
- Installed the electronic fuel monitoring system for vessels, vehicles, and generators and ensure GPS signals and data are sent to the OEM and end-user
- Performed vehicle diagnostics by connecting devices to the vehicle's onboard diagnostics (OBDII)
- Created an automated vehicle report delivery system to end-user using Excel and Python
- Performed system troubleshooting to determine the root cause and provided corrective action to prevent future failures
- Expertise in Web development using Django (or other MVC frameworks), JavaScript/jQuery, CSS, front-end JS Frameworks and HTML
- Create and execute unit tests and perform basic application testing

- Execute software development for outlined work; support, maintain and document software functionality, design and architecture
- Responsible for people management, including goal setting and providing performance feedback
- Work with technical product managers contributing to blueprints and assisting with annual planning of feature sets

## **PROJECTS**

### **AIPALCARE (REACT, JAVA, AZURE, AWS)**

- Created functional component for patient registration User Interface (UI) using React Hooks and Material UI
- Performed the implementation of the patient profile page in Java with Microsoft Azure storage for data storage
- Created a REST API using AWS Lambda and API Gateway

### **CYBERTRAIN (DJANGO, HTML, CSS, JAVASCRIPT)**

- Created a REST API using Python, Django Framework with SQL database
- Designed and developed the User Interface using Bootstrap, Html, CSS and jQuery

### **VEHICLE LEASE APPLICATION (JAVA, SPRING BOOT, AWS, REACT)**

- Developed the application using Spring-boot microservices
- Designed the UI using a class-based component in React with React-redux
- Created a REST API for the implementation of the application
- Utilized AWS resources such as DynamoDB and S3 for data Storage using Elastic Beanstalk for endpoint creation

### **PHASE BASED MOTION ESTIMATION (MATLAB)**

- Improved on the phase-based motion estimation algorithm in MATLAB
- Performed a linear filter to eliminate noise from the image
- Carried out the Fast Fourier Transformation (FFT) to determine the natural frequency of a test object from the video signal
- Analyzed test sample damages using the motion estimation algorithm

### **PORTFOLIO WEBSITE (JAVA, SPRING BOOT, MYSQL, REACT)**

- Utilized Reacts class-based component in creating the user interface
- Designed and developed the backend using Spring Boot Microservices
- Secured the application using Spring Boot security and JSON Web Token (JWT)
- Utilized AWS DynamoDB and S3 for data storage, with endpoint creation using Elastic Beanstalk and EC2
- Deployed the application using AWS Route53