

# OKAFOR, EBUKA FRANK

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## SOFTWARE - ENGINEER

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- Result-Oriented software engineer with 3+ years' experience in creating and executing innovative software solutions to enhance business performance.
  - Experienced in developing large highly distributed and scalable systems with in-depth knowledge of software development lifecycle end-to-end from concepts and diagrams through to development and delivery.
  - Proven ability to leverage on the most modern and standard system design patterns to produce highly efficient and cost-effective software solutions in the e-commerce and fin-tech industries.
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## EDUCATION

### FreeCodeCamp

Jun – Oct 2018

Computer Software Engineering.

### New Horizons system solutions

Nov 2017 – May 2018

Java Programming Language and Database Management.

### Enugu State University of Science and Technology

Sep 2013 – Aug 2017

Bachelor of Computer Science.

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## SKILLS

**Languages:** Java, Sql, Javascript, Kotlin, Python.

**Concepts:** Design patterns, system architecture, micro-service architecture, algorithms, data structures, distributed systems, functional and reactive programming, object oriented programming.

**Technologies:** Springboot, Spring mvc, Junit 5, Hibernate, Jira, jenkins, Nexus artifactory, github, azure, maven, MySQL, Postgresql, Bash, Git, Docker, Rabbit MQ, Redis, NodeJS, Octopus Deploy, Kubernetes, MongoDB, GraphQL.

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## PROFESSIONAL EXPERIENCE

### Africa Prudential Plc

Lagos, Nigeria

Software Engineer - Backend Team

Mar 2020 – Present

- Discovered areas of improvement by periodically monitoring various company systems designs to consistently boost business and marketing efficiency.
- Established auto-deployment pipelines for various products through GitHub actions to various Kubernetes clusters.
- Developed a payment integration middle-ware and integrated with multiple payment APIs that boosted product revenue by 40%.
- Consistently achieved 100% compliance with industry development best practices.
- Implemented a global authentication middle-ware for all company products that reduced security breaches by more than 85%.
- Implemented stored-procedures and optimized database querying that reduced product deployment cost by more than 30% on its azure cloud servers.
- Developed reactive non-blocking back-end APIs for most fin-tech micro-services that boosted product efficiency by more than 40%.
- Implemented algorithm to calculate and compute annual interest rate of over one million users on scheduled.

## **Interswitch Group**

Software Engineer (Contract) - Backend Team

Lagos, Nigeria

Oct 2020 – Mar 2021

- Designed highly concurrent and scalable micro-services for various financial applications.
- Implemented and integrated new end-to-end testing suite that reduced regression testing by more than 70%.
- Architecture design and development of APIs serving over 100 million daily payment transactions across Africa.
- Implemented Software Architecture and Database Design of distributed transactional systems.
- Leveraging on tools like Apache Kafka and RabbitMQ for queuing and message processing.
- Writing database stored procedure queries for faster and optimal database operation with various code structures.
- Developed pragmatic software solutions where features are quickly delivered without sacrificing code quality.
- Developed message tracking system that generated an extra 7% in revenue for an already existing product.

## **Integrated Software Services Limited**

Software Engineer - Backend Team

Lagos, Nigeria

Feb 2019 – Feb 2020

- Designed and developed solutions that incorporates industrial best practices for web applications, with emphasis on usability and data security.
- Managed all existing code structures for adequate time and space complexity optimization
- Developed software solutions by studying information needs, conferring with business requirements, studying systems flows and analyzing data usage with work processes.
- Provided information by collecting, analyzing, and summarizing development and service issues.
- Determined operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions.
- Investigated and debugged problem areas and follows the software development lifecycle.
- Improved operations by conducting systems analysis and recommending changes in policies and procedures.

## **Star Sapphire Professional Media**

Software Developer Intern - Backend Team

Abuja, Nigeria

Jul - Dec 2018

- Provided user requirements analysis, design and programming support for enhancement of various company web-application projects.
- Actively contributed through participation in agile development of project timeliness, implementation design specifications, system flow diagrams, documentation, testing etc.
- Developed reusable components applications that are scalable, easy to maintain and deliver value to customers
- Ensured solutions were thoroughly tested, extensible, maintainable, and secure before launch.
- Developed various generic bridge pipeline for integrating with various external systems and APIs.
- Maintained professional and technical knowledge by attending educational workshops, reviewing professional publications, benchmarking current practices, and participating in professional societies.

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## **COURSES AND TRAININGS**

**Docker Mastery with Kubernetes and Swarm**

Udemy

Jun 2021

**Master Micro-Services with Spring Boot and Spring Cloud**

Udemy

Feb 2021

**Distributed Systems and Cloud Computing with Java**

Udemy

August 2020

**Build Reactive Restful APIs using Spring-Boot/Web flux**

Udemy

Jun 2020