

# Falodun Olugbenga Solomon

Lagos, Nigeria

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## TECH LEAD / SNR. SOFTWARE ENGINEER

*Accomplished and technically sophisticated professional with extensive experience in providing innovative software solutions from designing to roll out.*

### AREAS OF EXPERTISE

- Proven success in steering software development projects from conceptualisation to delivery of simplified fit-for-the-purpose IT solutions.
- Highly skilled in bug fixes, resolving application crash problems, integrating payment gateway and code performance optimization.
- Highly skilled in web and e-commerce applications and working knowledge of mobile applications with NativeScript, TypeScript, Firebase, Angular JS 2.
- Recognised for improving departmental efficiency through exceptional leadership that aligns business processes and IT infrastructure to realise cost savings, accelerate performance, and sustain strategic flexibility.
- Articulate communicator; fluently speak the language of both people and technology, blending technical expertise with interpersonal skills while interacting with the customers/teams.

## Professional Experience

Cellulant, Nigeria

**Tech Lead (Software), Checkout Team** (09/2022 –present)

I manage and guide the team from the roadmap perspective, ensure that software projects are designed to competitive standards, built with proper design patterns, ensure codes are properly reviewed and that only clean code gets pushed to the Git repository.

*Key Achievements:*

- 01.Built and deployed checkout translation service to U.A.T environment, a middleware layer between version 2.8 (written in PHP) and version 3.0 (written in Java).
- 02.Optimise the performance of checkout services (request, payment, configuration and charge services) through:
  - a. the implementation of Asynchronous method and circuit breaker pattern.
  - b. query optimization via proper table normalisation, addition of indexes where necessary, etc.
  - c. performance tuning via HikariCP connection pools configuration properties.

**Note:** this is an ongoing process which had record over 100% gain in TPS

**Tools:** Java, SpringBoot, MySQL, NewRelics,

eTranzact International PLC, Nigeria

**Team Lead - Mobile Banking & VAS** (08/2019 – 08/2022)

I ensured a more cohesive team through collaboration, dedication, code documentation and creation of study guides. This helps to improve developer experience.

**Tools:** Java, Spring Framework, SpringBoot, RabbitMQ, Micro-services, Maven, MySQL, Git, Liquibase

*Key Achievements:*

- 01.Created second factor authentication via one time token (OTP) for Polaris Bank USSD transactions.
- 02.Mentored a team of other 6 younger developers from rookies to productives engineers.

03. Harnessed team's strength to ensure efficient use of resources and delivery of quality software products according to project timelines.
04. Developed "Vaslogger", a monitoring tool for "Vasgate" ETranzact VAS, resulting in a 30% increase in successful transactions and a 20% decrease in system downtime for VAS nodes.
05. Implemented central bank navigation service in USSDBridge application, resulting in a 90% reduction in development time for onboarding new banks and a 60% reduction in maintenance costs for disengaging old banks.
06. Developed **AntPeer**, a SpringBoot-based backend engine that exposes BankIT APIs via RESTful endpoints, resulting in successful deployment at Multi-choice Nigeria.

#### Summitech, Nigeria

##### **Senior Backend Software Developer** (11/2017 – 07/2019)

Ensure on-time project delivery by collaborating with staff members and clients to find the best solutions for complex problems. Provide technical support for applications development, including writing codes, solving compatibility issues, eliminating technical problems, and collaborating with the digital team.

**Tools:** JavaScript, NodeJS / Angular 6, NativeScript / AngularJS 6, Firebase / Firestore Database, Android, Git, Python, PHP, Laravel

##### *Key Achievements:*

01. Resolved application crash problems by 90% within two weeks through removal of bugs, careful memory management, and garbage collection that increase app performance by 100%.
02. Maximised clients' satisfaction by meeting project deadlines and on-time delivery of bill/quote with initial proposition.
03. Contributed in the development of LoopMI estate management mobile app with NativeScript / Angular 2-6.

#### PayPorte Global System, Nigeria

##### **Software Developer** (1/2017 – 10/2017)

Created, installed, and maintained applications, led service-level enhancement initiatives, and recommended cutting edge technical solutions that maximised e-commerce business performance. Developed Magento 1 plugins, aimed to improve the company's control over e-commerce business.

**Tools:** PHP, Magento I & II, Composer, MySQL, Git, Zend Framework II, Laravel Framework, Doctrine 2 ORM

##### *Key Achievements:*

01. Reduced transactions-cost and minimise the risk of stealing by 70% by deploying secure payment gateways, such as GTB GTPAY, UBA UCollect, Interswitch WebPay Direct, Access Bank PayWithCapture.
02. Categorised online store products by designing a size guide module which boosted customer satisfaction; this improved customer service team's performance by 40%.
03. Slashed error rate by 70% and complaints calls regarding sizes by 55% by creating ease for customers to pick the right size using the size guide.

#### Rom-Flex Networks, Nigeria

##### **Software Developer** (04/2014 – 12/2016)

Established custom-enterprise applications, such as vehicle registration (MVREG), e-commerce platform, and plugins. Secured application from any suspicious activities by designing and implementing Magento 1 Audit Trail plugin to track entire operations, actions, and actors within the Magento System.

**Tools:** PHP, Magento I & II, Composer, MySQL, Git, Zend Framework II, Laravel Framework, Doctrine 2 ORM

##### *Key Achievements:*

01. Cut down error rate by 75%, increased employees efficiency by 50%, and built a culture of accountability by deploying Magento 1 Audit Trail plugin.
02. Designed multiple software solutions and drove continuous improvement to processes and systems.

Sichersoft Limited, Nigeria

#### **Software Developer** (12/2013 – 04/2014)

Supported in the development of custom enterprise applications, including estate, fleet, and hotel management systems. Led requirements elicitation and feasibility study to determine the strengths and weaknesses of the proposed project.

**Tools:** Java, Spring Framework, SpringBoot, RabbitMQ, Micro-services, Maven, MySQL, Git.

#### *Key Achievements:*

01. Created API connection successfully between existing Sage 50 database and Java EE Web Application for fleet management system that enabled the company to secure a high-value contract.
02. Slashed cost of development by 15% and improved reliability of hotel management system by conducting cost-benefit analysis and comprehensive research on application feasibility.

### **Other Key Projects**

**EXAMSQA** (2016): Archived and built examination questions/answers universally accessible and useful.

**Internal Memo Tracking System** (2012): Created an internal mailing system for internal memo communication within an organisation, such as a university, FUTA.

**Support Vector Machine-Based Network Forensic Model** (2014): Developed and implemented a SVM-based network forensic model that resulted in a 90% accuracy in detecting and logging malicious traffic on computer networks, using the KDDCUP'99 dataset as a case study. Utilised machine learning classification algorithm

**Campus Chat** (2010): Developed an intranet chat application while supervising SANE (Students' Association of Network Engineers) and deployed to the Students' Affairs Unit of The Federal University of Technology, Akure.

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### **Additional Experience**

**Teaching Assistant**, Federal University of Technology Akure, Ondo State, Nigeria, 2012 to 2013

**Corps Member & Instructor**, Jimac Infotech Solution (JIT), Akure, Nigeria, 2011 to 2012

**I.T Trainee & Instructor**, CHS Computer Institute, 2006 & Kay-Netlogic, Nigeria, 2009

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### **Education and Credentials**

Federal University of Technology Akure, Ondo State | 2014.

**Master of Technology**, Computer Sciences (MTECH).

Federal University of Technology Akure, Ondo State | 2010

**Bachelor of Technology**, Computer Sciences (BTECH), 2<sup>nd</sup> Class Upper Division.

Yaba College of Technology, Yaba, Lagos State. | 2005

**Ordinary National Diploma (OND)**, Computer Science, Distinction.

#### **— Certifications —**

Introduction to Machine Learning (UDACITY), 2018.

Secure Coding based on PCI/DSS Standard, 2020/2021.

Microsoft Certified: Azure Fundamentals, Jun 2020.

MIT Institute for Data, Systems and Society's Data Science & Machine Learning:

Making Data-Drive Decisions (2023)

#### **— Award —**

Student's Leadership Award, FUTA, 2010

#### **— Professional Membership —**

The Computer Professional of Nigeria (CPN)