Omotayo Iyiola

Senior Software Engineer (React | React Native | Node.js | MySQL | MongoDB | Postgresql | Cloud)

Lagos State, Nigeria

Contact:

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Summary:

I started as a full-stack software developer in 2009 and transitioned into a software engineering manager role in 2010. I led my team to develop one of the best student educational solutions in Africa, comprising e-learning management, library management, student portal, and computer-based test. I have also led and managed the development and scalability of a good number of groundbreaking and outstanding software applications across the globe.

Over the years, I have evolved into a global leader with multisector solution delivery and experience; having effectively led and managed people in highly distributed teams across the globe. This is a rare privilege and it has helped me respect and learn so much about beautiful cultures from around the world.

Having gathered quality experience in Full stack software development, Product development, Digital innovation, and building cutting-edge software applications, I am

action-oriented, analytical, confident, detail-oriented, focused, strategic, thoughtful, and visionary but my greatest strength is being a problem solver.

I have the ability to see things from different perspectives and I can get my work done even in the face of challenges.

My core values are Excellence, Passion, Integrity, Commitment, Respect, and Hard Work. I believe in the human-first philosophy which has helped me a great deal to be an empathetic leader.

Professional Experience:

Michofat Konsult Limited

Senior Software Engineer
January 2024 - Present
Lagos, Nigeria

- Dockerized applications for easy setup by new developers
- Introduced api documentation to the performance monitoring team
- Platform re-design from mock-up
- Developed an eVoting platform for Yaba College of Technology, accommodating over 24,000 eVoters. The voting process went seamlessly, contributing to the college's technological advancement.
- Develop test plans and conduct unit testing, integration testing, debugging, and code optimization.
- Write and maintain technical documentation
- Designed and implemented code to improve system performance and improve security.
- Participated in code reviews and led design reviews.
- Developed a full stack web application using React, Node.js, and MongoDB.
- Lead a team of developers to create a RESTful API using Node.js, Express.
- Developed a web and mobile applications using React and React Native respectively and Node.js (Backend), and MongoDB.
- Created and maintained automated tests for applications.

- Worked on a backend project using Node.js, specifically implementing a microservices architecture.

Technology/Skills

Typescript, React (Vite), MUI, Tailwind, Bootstrap, Context, Redux, React Query

Node.js, Next.js, Express, MySql, MongoDB, PostgreSQL, Sequelize, Mongoose, Prisma, JWT, Passport, Yup

Git, Jenkins, Docker, REST API, GraphQL

Postman, Apollo Client, Mocha, Jest, Winston,

AWS - EC2, Lambda, Route53, Api Gateway TRELLO (Collaboration)

SalesAgency
Senior Full Stack Developer *(Contract)*
August 2023 - December 2023
Florida, United States

- Responsible for creation, testing, deployment, and security of products.
- Led the entire project lifecycle, including data loading, results visualization, and deployment.
- Established dynamic processes for cybersecurity workflows.
- Developed complex visualizations to analyze the cybersecurity threat landscape.
- Developed an Email Campaign Management System using React Flow, handling complex node designs and JSON data. Implemented actions such as SendAll, SendMail, A/B Test, Delay, and Wait, streamlining and enhancing the efficiency of email marketing campaigns.
- Led the development of an email suppression tool called Blacklist for Sales Agency, USA. Managed the upload, download, and mail activity status for millions of emails and hashes.
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Michofat Konsult Limited

Senior Software Developer (Part-Time)
January 2018 - November 2022
Lagos, Nigeria

- Built a Cooperative and Multipurpose Society Management App, featuring a robust dashboard managing members' profiles, savings, requests, complaints, birthdays, and loan histories.
- Developed innovative payment solutions, POS applications, and payment gateway integration.
- Improved mobile platform performance and addressed scaling difficulties.
- Led the reengineering of software solutions, enhancing CI/CD processes for faster deployment.
- Implemented a React Native-built mobile app for Android and iOS users, allowing seamless connection with the cooperative management system.
- Developed a Food Recipe App where administrators can post food with complete recipes, images, and step-by-step procedures for the cooking process.
- Enabled guests to browse the recipe site for information, interact with content through likes and comments, and register for notifications.
- Created a Note App allowing users to seamlessly create, update, search, and delete notes, enhancing productivity and organization.

Yaba College of Technology, Yaba, Lagos

Head of Software Engineering *(Webometrics)*
November 2017 - November 2023
Lagos, Nigeria

- Managed multiple pods of programmers in building applications.
- Led the development of applications managing staff profiles, staff ID card printing, and digital showcasing of staff quality.
- Ranked the institution as number one in webometrics for five consecutive times.
- Designed and implemented the Yabatech Staff Portal, a comprehensive Human Resource Management App utilized by the registry and ICT unit. This application facilitates the management of staff nominal lists, department sectioning, tracking birthdays, handling promotions, uploading publications, and overseeing Identity Card Management for administrators.
- By implementing established SEO strategies to enhance website visibility and actively promoting news updates, publication uploads, and overall online

presence and impact, Yaba College of Technology secured and maintained the top position in webometrics rankings for five consecutive periods.

- Developed a Mobile Verifier app with embedded security features to identify fake candidates and students during examinations. Achieved a remarkable 95% reduction in impersonation, enhancing the integrity of the examination process.

Amclint Solutions (Part-Time)

Software Developer
May 2015 - April 2017
Lagos Mainland, Nigeria

- Reengineered the Computer Based Test Solution/Application.
- Developed intelligent student result analysis and competence solutions.
- Managed software engineering, product, and business analyst teams.
- Engineered a new CBT mobile application for Android and iOS.

Yaba College of Technology, Yaba, Lagos

Program Analyst (Network Administrator)
November 2009 - October 2017
Lagos, Nigeria

- Enhanced network infrastructure performance and reliability by recommending smart networking devices and upgrading network operating systems.
- Provided online support and tutorials on Cisco device management, monitoring, troubleshooting, and maintenance via the YouTube channel "Omotayo Iyiola."
- Created comprehensive documentation detailing the College's network architecture, design criteria, performance metrics, IP scheme, and network block diagram.
- Implemented a Voice Over Internet Protocol (VoIP) server for college-wide communication using softphones on PCs and hardware IP phones.
- Managed network address assignments, routing protocols, and trained Network Implementation and Monitoring Committee members on networking fundamentals and troubleshooting techniques.
- Established PPPoE authentication within the college network and set up a network monitoring server for real-time status updates of routers, switches, and servers.

- Oversaw network management tasks including performance tuning, security monitoring, file server backup, and email server administration.
- Contributed to the development of security policies and conducted network system security audits as part of the monitoring committee team.
- Designed and implemented a web-based database application using PHP and MySQL for efficient administration of over 1,800 staff usernames and passwords.
- Ensured confidentiality and security of network information, adhering to strict protocols for data processing, storage, and access.

Skills:

- Languages: JavaScript (Typescript), PHP
- Frontend Development: (React, React Native, HTML, CSS,Tailwind, MUI, Bootstrap)
- Backend Development: (Node.js, Express, Sequelize, Prisma, Mongoose)
- REST, GraphQL APIs
- Databases: MySQL, MongoDB, PostgreSQL, SQL Server
- Cloud Services: AWS (Lambda, ApiGateway, S3 bucket, EC2, RDS)
- Tools & Frameworks: Nextjs, Express.js, Redux, React Query, React Flow, Docker, Jenkins
- Testing: Mocha, Jest,
- Version Control: Git
- Collaboration: Jira, Trello
- Mobile: Xcode, Android Studio
- OS & servers: Ubuntu, CentOS, Mac, Windows

Certifications:

- Cisco Certified Network Associate
- The Fundamentals of Digital Marketing
- Cisco Certified Network Professional

Core Values:

Excellence, Passion, Integrity, Commitment, Respect, and Hard Work. Adheres to the human-first philosophy.

References:

Available upon request.