

OLOWOFELA OLANREWAJU

Senior Software Engineer | Email: lanre75olowo@gmail.com | Phone:234-81035-40425 | Location: Ikeja, Lagos | Github profile: github.com/olowo-coder

PROFESSIONAL SUMMARY

Senior Engineer with over 7 years of experience in designing, developing, and deploying robust and scalable applications, such as financial technology (FinTech) solutions. Expertise in building high-performance distributed systems, microservices, and enterprise-grade applications. Proven track record of delivering mission-critical systems in high-stakes environments, driving innovation in payment processing, digital banking, and blockchain technology. Adept at collaborating with cross-functional teams to translate complex business requirements into cutting-edge technical solutions.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, SQL, HTML, CSS, Python

Frontend Frameworks/Libraries: Angular, React, HTML5, CSS3, Bootstrap, SASS, ES6, NextJS, Redux, NgRx, NgXs, Vue.js, Vue Router.

Backend Technologies: Node.js, Express.js, Spring Boot, Java 8+, Spring Spring boot, Spring MVC, Webflux, Security, Cloud, RESTful APIs, GraphQL, SOAP, XML, JSON, JWT, OAuth2, Swagger, SOAP-UI, Python 2.x, Python 3.x, Django, Flask, OpenCV, Django Rest Framework, RobotFramework-Django

Databases: PostgreSQL, Oracle PL/SQL, MSSQL, MySQL, MongoDB, Redis, Cassandra

Messaging Queue: RabbitMQ, Apache Kafka, GCP (Pub/Sub)

DevOps: Docker, Kubernetes, Jenkins, CI/CD, Logstash, Kibana, Bash, Shell Scripting, Terraform, Serverless, AWS-CDK, Elasticsearch

Cloud computing (cloud native apps): AWS Lambda, S3, EC2, SQS, SNS, DynamoDB, Kinesis, Event Bridge, API Gateway

Tools: Git, Webpack, Babel, JIRA, Confluence, Visual Studio Code, IntelliJ IDEA, NetBeans, Apache Tomcat, GlassFish

Testing: JUnit, JMeter, SonarQube, JSF, mockito

Methodologies: Agile, Scrum, Kanban, Lean, Test Driven Development

EDUCATION

University of Lagos

Bachelor of Science (Bsc) Electrical / Electronics Engineering

Akoka, Lagos

November, 2018

PROFESSIONAL EXPERIENCE

meCash | Solution Architect/Team Lead Software Engineer July, 2024 till date.

- Architected end-to-end distributed system solutions, designing scalable microservices and integration patterns across Java (Spring Boot) and Node.js ecosystems to support high-traffic fintech operations.

- Led architectural transformation initiatives, re-engineering legacy monolithic systems into modular, scalable microservices aligned with best practices in cloud-native design.
- Designed robust RESTful API architectures enabling efficient communication between client applications and distributed backend services while ensuring security, performance, and maintainability.
- Provided technical leadership for cross-functional engineering teams, defining coding standards, solution blueprints, and best-practice guidelines for system design, implementation, and deployment.
- Designed and implemented intelligent chatbot platforms leveraging GPT-based APIs to automate customer engagement and reduce response latency.
- Architected workflow automation pipelines that convert unstructured data (emails, tickets, reports) into structured formats for downstream processing.
- Developed RAG (Retrieval-Augmented Generation) architectures integrating LLMs with vector databases (Pinecone, Weaviate) for context-aware, knowledge-driven responses.
- Fine-tuned and optimized domain-specific LLMs, creating structured training datasets, annotation workflows, and prompt-engineering guidelines to improve accuracy and domain alignment.
- Designed logical and physical data models optimized for both OLTP and OLAP systems, supporting real-time and analytical workloads.
- Architected ETL and data ingestion pipelines for processing large, multi-source datasets (databases, APIs, flat files).
- Implemented real-time streaming solutions (Kafka, RabbitMQ, WebSockets) for order tracking and inventory systems requiring low-latency updates.
- Integrated enterprise data warehouses and BI platforms to drive KPI monitoring, analytics dashboards, and data-driven decision-making.
- Built enterprise-grade microservices using Spring Boot and Java 21, applying clean-code principles, SOLID architecture, and domain-driven design (DDD).
- Designed new services from the ground up, including service boundaries, domain models, API contracts, and deployment architectures.
- Developed high-performance API endpoints supporting complex querying, cross-service data retrieval, and high concurrency.
- Implemented database access layers using Hibernate, Sequelize, and TypeORM—optimizing performance, reducing query overhead, and improving maintainability.
- Designed scalable, distributed system components using load balancing, service discovery, caching layers, and asynchronous communication patterns.
- Collaborated directly with Product Managers and Executives, translating business needs into technical architectures, solution diagrams, and implementation roadmaps.
- Influenced strategic technology decisions, ensuring solutions align with long-term scalability, reliability, and operational goals.
- Championed agile delivery, driving sprint planning, architecture reviews, and cross-team technical alignment.
- Reviewed solution designs and pull requests, ensuring code quality, alignment with architecture, and consistent engineering excellence.

VPD money |Senior Software Engineer Feb 2022 - June 2024

Actively participated in the design, development, and implementation of microservices architecture and built several backend services using Java, NodeJS, TypeScript, NestJS, and MySQL as the database, and employed other tools such as Jest, OAUTH, and JWT amongst others.

- Demonstrated proficiency in building high-performance web applications utilizing Java, Spring, and Spring boot frameworks, with a keen focus on developing clean and scalable applications.
- Proficient in building scalable web applications using Java, Spring boot, Typescript, Javascript demonstrating end-to-end understanding of the modern web development lifecycle.
- Designed and built API endpoints in Node.JS/Typescript for seamless client-server interactions.
- Integrated Hibernate with Java for efficient ORM solutions. Utilized MongoDB for scalable and flexible data storage, optimizing performance and reliability.
- Acquired hands-on experience in developing and consuming microservices, ensuring effective communication via REST APIs. Integrated external systems and platforms for real-time data synchronization.
- Implemented real-time data integration solutions using Kafka and Spark streaming, alongside developing Kafka producers for streaming data from external REST APIs.
- Leveraged AWS services, including EC2, S3, Lambda, SNS, and SQS, for scalable deployments and implemented event-driven architectures to facilitate asynchronous processing and enhance application responsiveness.
- Familiarized with Jenkins for automated build and deployment processes, ensuring smooth transitions between development, testing, and production environments.
- Used AWS Elasticsearch for log analytics, full-text search, security intelligence
- Developed a comprehensive suite of unit tests using Jest, instituted automated testing processes, and collaborated closely with QA teams to uphold quality standards across cloud applications.
- Engaged actively in cross-functional collaborations to align technical solutions with business requirements.
- Experienced in developing RESTful web services and APIs using Java technologies, facilitating seamless data exchange between applications.
- Experienced in working with Angular CLI and Angular Material for rapid development and UI design.
- Familiar with state management libraries like NgRx for handling complex application states in Angular.
- Extensive experience in backend development, including RESTful APIs using NodeJS, serverless architecture on AWS (Lambda, API Gateway, DynamoDB), and event-driven microservices.
- Developed and maintained multiple Angular applications, ensuring high performance, responsiveness, and scalability.

- Contributed to the optimization of web performance by leveraging code splitting and lazy loading techniques.
- Collaborated with development and operations teams to streamline the application and infrastructure deployment processes.
- Used Terraform to provision and manage infrastructure in various cloud providers (e.g., AWS, Azure, Google Cloud) or on-premises data centers.
- Implemented scalable and maintainable infrastructure solutions, considering best practices and compliance requirements.
- Leveraged AWS services, including EC2, S3, Lambda, SNS, and SQS, for scalable deployments and implemented event-driven architectures.
- Utilized Jenkins for automated build and deployment processes, ensuring smooth transitions between development, testing, and production environments.
- Leveraged Jira to meticulously create, assign, and track software bugs and issues within our complex e-commerce platform. This streamlined our development process, making it easier for our agile team to prioritize and resolve critical issues swiftly.
- Harnessed Jira's powerful capabilities to automate and manage intricate business workflows within our client onboarding process. This included automating approvals, orchestrating content reviews, and streamlining document management, resulting in a substantial improvement in operational efficiency and ensuring consistent processes.
- Used Confluence to meticulously create and maintain comprehensive project documentation.
- Engaged in cross-functional collaborations to align technical solutions with business requirements.
- Monitored application performance and implemented optimizations to maintain high standards of reliability and efficiency.
- Operated within Agile frameworks to ensure iterative development and timely delivery of features.

Key Projects:

- **Cross-Border payment:** Built a robust e-commerce platform with a microservices architecture, leveraging Spring Boot for backend services and React for the frontend, resulting in a 30% increase in user engagement and sales.

Exquis App factory, USA (remote) | Full Stack Developer May 2021 - Mar 2022

PROJECT: An application for loan, asset management, and payment processing to students, businesses, nonprofit organizations, commercial, and government.

- Designed and maintained high-performance web applications utilizing Angular, React (including Next.js), and Backbone.js.

- Worked extensively with JavaScript frameworks and leveraged NPM and Redux libraries for front-end development.
- Created web backends using Node.js, Express, Javascript ES6 , and Typescript.
- Employed Apollo Server with individual microservices, enabling a unified GraphQL endpoint for front-end data retrieval from multiple services.
- Extensively worked with PostgreSQL, DynamoDB, and MongoDB to manage data storage and retrieval.
- Handled data migration processes, moving data between source and destination servers using AWS tools like Database Migration Service and Storage Gateway.
- Specialized in designing, developing, and deploying serverless applications on AWS using Lambda, API Gateway, and authentication via AWS Cognito.
- Managed cloud infrastructure with tools like Terraform and CloudFormation, deploying EC2 instances for web hosting.
- Hands-on experience with AWS Application Discovery Service, AWS Migration Hub, AWS CloudEndure Migration, AWS SNS, and SQS to implement event-driven programming.
- Partnered with UX/UI designers to craft visually appealing and user-friendly interfaces.
- Engaged with cross-functional teams to resolve technical challenges and ensure alignment with business requirements.
- Regularly conducted code reviews, emphasizing adherence to coding standards and best practices.
- Teamed up with the DevOps group to establish continuous integration and delivery pipelines using Jenkins, GitHub, and Jest for testing.
- Collaborated with product management for requirement gathering and offered technical insights on cloud solutions across AWS, GCP, and Azure platforms.
- Played a pivotal role in an Agile development setup, consistently collaborating with product teams to deliver feature-rich applications using tech stacks like Java, Hibernate, and REST APIs.

Union Bank of Nigeria, | Software Engineer May 2020 - Nov 2022

PROJECT: An application for loan, asset management, payment processing and other banking solutions.

- Development of applications in Java (Spring and Spring Boot) and core Java EE
- Translate functional requirements into technical requirements and design in tandem with business requirements.
- Organizes project requirements into the programming sequence by analyzing requirements, preparing a flowchart and diagram using knowledge of computer capabilities, subject matter, programming language, and logic. Responsible for the development and analysis of the application.
- Confirms program operation by performing tests; change program sequence and/or codes.

- Coding new systems from application designs and specifications and using standard procedures and techniques. Integrates applications by designing database architecture and server scripts; study and establish connectivity with network systems, search engines and information servers. Review, analyze and modify programming systems including encoding, testing, debugging and installation to support Bank business applications
- Provide procedural and code documentation on assigned subsystems and functional documentation of business systems
- Supports in-house developed software applications.
- Create test transactions and execute component, assembly and system tests for standard conformance and adherence to design specifications and quality assurance standards.
- RESTful API usage and implementation, API documentation and specification tools (e.g. Swagger)
- Perform other duties assigned by the Head of IT DevOps.
- Git version control, write unit and integration testing using AZURE Devops repository.
- Use of Agile and Scrum software development methodologies and DevOps practices.
- Application deployment using Oracle weblogic.

Decagon, | Java Software Engineer Oct 2018 - May 2020

PROJECT: an online fitness and nutrition e-commerce website, where users can browse the application to subscribe to desired online fitness and nutrition plans.

- Application development in Java (Spring and Spring Boot) and React.js.
- Developing front-end applications: Web and Mobile apps utilizing HTML, CSS, JavaScript and Typescript.
- Database Management System experience with MYSQL, Oracle, Postgres, or NoSQL databases such as MongoDB and Cache Server with Redis.
- Git version control, writing unit using Mockito, J Units and integration test.
- Experience with RESTful API usage and implementation, API documentation and specification tools (e.g. Swagger)
- Troubleshoot issues with web server, database, security, network, and web technologies.
- Design of container management and technologies such as Docker.
- Exposure to agile methodologies, DevOps practices and microservices architecture

CERTIFICATION

Google Cybersecurity (GC)

November, 2024

Scrum Fundamentals Certified (SFC)

October, 2021.