

Ibrahim Olanrewaju

Senior Software Engineer Team Lead

+2348094227050 | olanrewajui2020@gmail.com | Lagos, Nigeria

<https://semslam.github.io/my-portfolio>

PROFESSIONAL SUMMARY

A team-lead senior software engineer with over 8 years of experience developing highly scalable, reactive, and distributed systems for high-volume businesses. With the ability to code and suggest changes to make the finished project glitch-free, as well as the confidence to make ideas heard, A demonstrated ability to maintain and improve company software in order to improve operational functionality in accordance with business requirements. with solid engineering professional abilities.

TECH STACK

FRONTEND	CSS3 8 years, Bootstrap 7 years, HTML5 8 years, JavaScript 8 years, jQuery 7 years, Angular 4 years, Vue.js 4, React 3, years, JSP 8 years, JSF 7 years, Thymeleaf 6 years
BACKEND	Scala 5 years, Java 8 years, PHP 5 years, Node.js 6 years, Typescript 4 years, Play Framework 5 years, Spark Framework 7 years, Spring Framework 7 years, CodeIgniter 5 years, Akka, Kafka, Microservices, APIs
DATA STORAGE	MySQL, MongoDB, Redis, Cassandra
SERVERS/DEV OPS	Kubernetes, Amazon ECS,ECT,EC2,S3, Docker, Git Action, Jenkins, CircleCI, Git, GCP, Nginx
CLOUD SERVICES	MS Azure, AWS, DigitalOcean, Google Cloud
DEPENDENCE BUILD TOOLS	Maven, SBT, NPM, Composer
HTTP REQUEST TYPE	SOAP, Restful, GraphQL
METHODOLOGIES IN SOFTWARE	Object-Oriented Analysis & Design, SOLD Principle & Design Patterns , Rest Style Architecture Software Development Life Circle
PARADIGMS	OOP Programming, Functional Programming, Current Programming
OPERATING SYSTEMS	Ubuntu, Mac OC, Windows 7,8,10

DETAILS SUMMARY

- Led a team of 6 software engineers through the software development life cycle for 16 client projects.
- Continuously improve the deployment process.
- Develop industry and product technical expertise by following and championing development best practices.
- Troubleshoot, optimize, and tune for performance.
- Work with the development team to establish coding standards and monitor guidelines that provide prompt feedback to allow for timely adjustment and revalidation.
- Establishing and executing configuration management solutions for Node.js(Javascript and Typescript), Spring Boot, Play 2 Framework, and PHP CodeIgniter development environments.
- Provide expertise, direction, and ownership of configuration management policy and methodology.

- Design, develop, and implement complete configuration management policies and processes to support multiple product lines and services.
- Strives to reduce complexity and assist development, QA, and engineering by utilizing Source Control and CM tool sets to decrease their time to value.
- Be responsible for creating the technical approach to projects throughout all phases of the software development life cycle.
- Technically lead and mentor engineers on best practices; mentor and inspire more engineers to collaborate. exceptional oral and written communication skills; the ability to form and maintain effective working relationships with team members and cross-functional teams.
- Strong understanding of the software and systems development lifecycle; experience with continuous delivery and integration is preferred.
- Find and help fix bugs and stability/scalability issues in a very time-critical environment.

EXPERIENCE

Senior Software Engineer | Turing Enterprises Inc | Los Altos, California, United States, May 2021– July 2022

website: <https://www.turing.com>

Turing.com - Hire Remote Developers | Silicon Valley calibre software engineers | Remote U.S. developer jobs | Full-stack, mobile, frontend, backend DevOps.

PROJECTS

Enhanced Cart Handling Optimizations (ECHO) Services

website: <https://www.techstylefashiongroup.com>

Role: Backend Developer

Is an eCommerce critical process to optimize the shopping cart for design and usability, in order to prevent cart abandonment and increase shopping cart conversion rates.

- Work in an agile environment and participate in conceptualizing and implementing platform features for our global web properties.
- Works within a small focused team using Agile/Scrum principles to develop eCommerce services and platform features.
- Act in the capacity of an eCommerce application software engineer to actively participate in the definition, development, testing, test automation support and implementation of software functionalities.
- Implement a library of utilities to validate data integrity and sanitize data requests.
- Integrating with Site24x7 to enable monitoring of metrics, traces, and logs for different layers of cloud architecture from a single console Keep track of the availability and performance of services and servers.
- Integrate with Swagger to create, auto-document, test, and consume RESTful web services.
- Implemented features such as add product by adding product by session , adding bundle customer product by id, adding products by cart Id, updating Cart Line By CartId, removing Product By CartId, etc.
- Validates the provided cart membershipId token list against tokenQty.
- Transform from an MSSQL model to an ECHO DTO. It loops through (recursively) object keys to make them camelCaseString format.
- Set up process listeners for an abrupt app stop to close connections.
- Managed deployment CI/CD pipeline Github Jenkin AWS with Docker.
- **Technologies:** Node.js, Javascript, Jira, Jest, Docker, GraphQL, Restful, MSSQL, Amazon S3, Amazon EC2, Amazon-SNS, Amazon Dynamo DB, Docker, Redis, Swagger.

Senior Software Engineer Team Lead | Fisshbone&Lestr Technology | Lagos, Nigeria, Feb 2018 – June 2021

website: <https://www.fisshboneandlestr.com>

Fisshbone&Lestr is an ICT company that provides bespoke software for her parent company CELD.

Create several solutions among them is an electronic reward commodity CashToken and guaranty cashback lpoints, ESPI E.t.c. The system enables every patronage or gift to become a life-changing cash opportunity.

- Be a strong contributor working with product management, engineering, and QM partners to identify solutions, contributing to the overall design, proof-of-concept development, technical strategy, and coordinating with external teams and vendors.
- Lead a team of software developers in the creation of applications for clients such as reward systems, fanatic-as-a-service, message-as-a-service, financial accounting-as-a-service, eWallet-as-a-service, Chatbot-as-a-Service, and so on.
- Actively participate in all phases of the Agile Development process including define, design, development, test, deployment, and support.
- My primary assignment at Fisshbone and Lestr is to work with a team of Senior Software Developers to improve the bulk CashToken gifting and chatbot (Fela) using google Dialogflow and Kommunicate platform to interact with customers.
- Review, Design and Implement System Requirements.
- Managing and Integrate Third Party System/Services Integrations.
- Developed and implemented CI/CD pipelines to automate the deployment of applications.
- Helped scale the system to handle concurrent connections ranging from 5,000 to 15,000 active connections.
- Improved deployment process within AWS (ex. cross-region automated deployment).
- AWS services administration: IAM, VPC, EC2, S3, CodeDeploy, RDS, CloudWatch, CloudFormation, Elastic BeanStalk; VCS: GitHub, Docker, Scripting: Shell, Slack, Improve automated test and simulation frameworks.
- Develop and automate standard operating procedures around common failure scenarios.
- **Technologies:** Codeigniter, ReactPHP, Node.js, Typescript, Vue.js, Angular, React.js, Jira, Jest, Azure DevOps, GitHub, Bitbucket, Trello, Docker, Slack, GraphQL, Restful, MySQL, MongoDB, Amazon S3, Amazon EC2, Amazon-Route 53, Amazon-SNS, Azure VM, DigitalOcean, Docker, Redis, RabbitMQ, Strapi.

PROJECTS

CashToken Version One

website: <https://www.cashtoken.ng>

Role: Frontend And Backend Developer

An electronic reward commodity system.

Maintains and Integrates the customer loyalty reward microservice with third-party clients.

- CashToken buck gifting was implemented using RabbitMQ as a queue system.
- We achieve an unbiased draw engine sorting system by generating a random permutation of a finite sequence and implementing a CashToken draw engine using the Fisher-Yates shuffle algorithm.
- The payment gateway was integrated with the Futerwave platform.
- Written a custom ORM database persistence and database schema.
- Administrator backend for system report, analysis and activities.
- PHPUnit and Jest.
- Implement users' accessibility sessions, page menus, and privileges using Redis. This is to avoid having to make a request to fetch client information per request in the database. This increases the application's given privileges and revoking privileges performance by 25%.
- Implemented and refactored existing UI, which improved UI rendering speed significantly and drove a better user experience.
- Trained, improved and implemented Google Dialogflow intents to improve customer interaction with Fela chatbot by 56%.
- AWS S3. We archive old CashToken customers' gifting data in the database that has a size of 20 million records or more and store it as an object in S3 buckets. We encrypt the records before upload, specify the version control, and also name the records with the client id and date-time, in order to avoid overriding the data. Using S3 to backup outdated data improves the database's speed and efficiency in terms of updating and reading. When a customer requests records for an analysis report, we extract data from buckets.

- Ensuring optimal performance of the central database and responsiveness to front-end requests.
- Designed responsive UI using Bootstrap 4, and React.
- Understanding of React fundamentals was used to promote better component lifecycle practices, resulting in a 23% increase in turnaround time with 100% deadline adherence.
- Introduced more widespread use of isomorphic React and Node.js for web applications, which reduced load times by approximately 35%.
- Followed documentation to always remain up-to-speed on what needs to be updated in response to new release versions.
- Designed and implemented the backend with Node.js, Typescript and Codeigniter.
- Managed deployment CI/CD pipeline Github Action for cloud-host on GCP with Docker.

Centra Messaging Service

Role: Team Lead

Designed and maintains Central Message-as-a-Service.

- Header authentication client's request with a public and private keys pair, Bearer with signature Hash using SHA512 and IP whitelisting.
- Queue "Kue" background worker, processes the message request based on priorities.
- Collaborating with front-end developers on the integration of elements.
- Reprocesses failed messages based on the number of attempts designated by the client.
- Exposing message report analysis endpoint using GraphQL.
- UniTest Mocha and Jest.
- Database persistence using Sequelize ORM and MySQL Database schema.
- Designed and implemented the backend with Node.js.
- Managed deployment CI/CD pipeline Github Action for cloud-host on AWS (EC2) with Docker.

iPoints

Role: Team Lead

Designed and maintained Fanatical-as-a-Service and managed continuous development and Integration (DevOps).

- Ensured the programming team developed high-quality working applications for clients.
- Monitored all aspects of applications being developed to ensure they met quality standards.
- Held team meetings and prioritized work tasks.
- Ipoints' cash-back and buck-gifting were first designed using the divide and conquer approach, with a cron job to fire the processes. It was later improved by 36% by using RabbitMQ to distribute the tasks among the workers.
- Integrated Futterwave Payment Gateway for clients, to buy Ipoints products and also subscribe for insurance services.
- Exposing API endpoint for Ipoints wallet to wallet transfer, bulk Ipoints upload in CSV and over restful API, checking wallet balance, redeem voucher etc. Those features are provided in web UI, API and USSD using AfricasTalking Services.
- Using client CSRF token to prevent CSRF attacks by making it impossible for an attacker to construct a fully valid HTTP request suitable for feeding to a victim user.
- API header authentication with JWT using RSA Public/Private keys pairs.
- Ipoints transfer, checking wallet balance, redeem voucher etc. Those features are provided in the web UI, API and USSD using AfricasTalking.
- Implement auto insurance subscriptions by triggering a cron job on the start date of the insurance subscription, then pushing it to a RabbitMQ to distribute the tasks among the workers.
- Implemented a comprehensive single insurance subscription. It checked a user's ipoint accumulation to see if they were eligible for the insurance, then pushed the request to a RabbitMQ to distribute the tasks. It processed the task

after setting its priority to "high" in the queue.

- Ipoints cash-back rest web-services API integrations with third-party clients ESPI.
- UniTest PHPUnit, Jest.
- Written a custom ORM database persistence and MySQL Database schema.
- Designed and implemented the backend with Node.js and Codeigniter.
- Managed deployment CI/CD pipeline for cloud-host on AWS Github Action with Docker.
- Automated Testing, we make our code do some unit and integration testing. We set up our CI pipeline with the test, build, and dev-deploy jobs, which are meant to run unit and integration tests, if passed, then build to generate a deployable project, and then deploy to the dev environment so as to enable QA or developers to test before pushing to master/main or release branch. We use the CI/CD platform Github Action.

Espi

Role: Backend Developer

A financial accounting and payment processor as a service.

Maintains and maintains Financial Accounting-as-a-Service microservice. Working alongside a team of developers in security aspects and transactions.

- To ensure the secure exchange of data between the payment provider's platform and the eSPI platform payment providers would be required to implement security measures, especially where the payment webhook is called.
- Implement hashing of the request and response parameters using the SHA512 algorithm, with keys exchanged during implementation.
- IP Lockdown between the eSPI platform and the payment providers such that every request would be required and validated that it's coming from the provided Payment Providers IP address(es). The exchange of IP addresses occurs during implementation.
- UniTest Jest.
- Provisioning of a username and password exchanged during implementation, with both passed as part of the request parameters.
- Implement credit and debit wallet transactions.
- Implement wallet-to-wallet transfer.
- Designed and implemented the backend with Node.js, and Typescript.

MyBankUSSD

website: <https://mybankussd.com>

Role: Team Lead.

MyBankUSSD is Africa's premier 'All African Banks' USSD Service aggregator.

Designed an eWallet & Banks USSD System for payment services, Payment-as-a-services. Working alongside a team of developers.

- Estimate engineering efforts, plan implementations, and rollout system changes.
- Ensures developed software is handed off to QA for further testing.
- Implemented the client payment payload with Sha256 hash, it is used for passing secure values to the payment gateway.
- API header authentication with JWT using RSA Public/Private keys pairs and also whitelist IPs is a security feature often used for limiting and controlling access only to trusted users.
- Loading the payment UI on Iframe and listening on click to closing tag, URL navigation buttons in other give warning or terminate the payment process.

- Implement Register number for USSD (All Nigerian Banks), Buy Airtime, CashToken & Utilities, Local Transfers, Account Opening, Fund MyUSSD Wallet, Payments @ Merchant Locations (Online & Offline), Access to Credit & Loans and Check Balances & BVN.
- Implement Payment APIs and Dedicated USSD Strings for Direct Dials and Rewards Wallet (Unified Reward System: CashToken).
- Implemented direct USSD integration with telecommunications resulting in a 23% reduction in service costs.
- UniTest Mocha and Jest.
- Designed and implemented a front-end UI with Vue.js.
- Designed and implemented the backend with node.js

AirtelThanks USSD

Role: Team Lead.

Airtel telecommunication in Nigeria partners with CashToken as a reward commodity.

- Integrated USSD endpoint Airtel using the site-to-site VPN infrastructure to create a tunnel between two networks so that traffic is not exposed to the public internet.
- Storing and tracking users' activities were implemented by Redis hash.
- Reduced USSD data exchange size by 34%, by designing a proprietary message compression system.
- Integrated directly with the Tech which by implication reduced service cost by 15%.
- Improved payment UI rendering speed significantly and drive a better user experience.
- Configuring VPN infrastructure also improves upon things like bandwidth and efficiency by 38%. Better performance is something no Internet user would ever argue with.
- Implemented users' activities with Redis hash to improve the speed of instant accessing user information by 48%.
- Designed and implemented a front-end UI with React.
- Designed and implemented the backend with Node.js Typescript with Express.js and MongoDB.
- Implement integration and unit test with Jest, supertest and mongodb-memory-server.

Fela MarketPlace

Role: Team Lead.

Fela is the world's 1st Multi-Tenant Chatbot-as-a-Service Marketplace on Social Media. Fela Market Place is a platform hosted on WhatsApp and online where buyers can purchase goods and services and will be rewarded with CashToken.

- Improving customer relations by integrating Natural Language Processing systems into the existing chatbot. I did a week's research on the best engine then we moved to execution from there. I ended up adding the Dialogflow Artificial Intelligence (AI) support, making the chatbot available on Telegram, Facebook, Web using Kommunicate (web), and Whatsapp using the Pickyassist platform.
- Providing features such as buying airtime & data, Electricity payment, cable TV payment, Buying CashToken, Top-up Fela eWallet, check wallet balance and redeem with third-party API.
- Managed deployment CI/CD pipeline on firebase google cloud.
- Trained and improved google Dialogflow intents to improve the user interaction by 56%.
- CI/CD pipeline improves the process of application development, particularly in the integration and testing phases, as well as during delivery and deployment.
- A week of research gave me complete flexibility in their approach to a problem. Novelty and creativity are encouraged, it gives an insight into the tools and languages that are best suited to the job.
- Using Entities to identify and extract useful data from natural-language inputs.
- Using the Joi library to validate user requests improved the data integrity by 47%.

CashToken Version Two

website: <https://ng.cashtoken.africa>

Role: Frontend Team Lead And Backend Developer.

An electronic reward commodity system.

Design and Integrate the customer loyalty reward microservice with third-party clients with regional platforms (Nigeria, Ghana, Zambia and Ivory Coast). Working with a team of developers to work as frontend and backend.

- Establishing effective working relationships with team members and cross-functional teams.
- Established using the Agile SCRUM methodology. Involved in daily stand-up meetings, sprint showcases, and sprint retrospectives.
- Interact with other developers' teams and end users to design and implement new framework features.
- Worked in a 5 layering structured team environment to develop, enhance, and support web-based products.
- Create complex JIRA workflows including project workflows, screen schemes, permission scheme and notification schemes in JIRA.
- Involved in designing the user experience interface (UI/UX strategy) and converting findings into UI designs.
- Leveraged on MVC design pattern to organize Angular controllers, Custom directives, factories and views.
- Worked on the REST/Web API to create the services and tested on Postman and used in Angular, HTTP service calls and bind the data in the table using ng-repeat attributes.
- Used Angular as a framework to create a Single Page Application (SPA) which can bind data to specific views and synchronize data with the server using Sass, LESS, Bootstrap, and Angular.
- Version control systems, such as Subversion (SVN), CVS, Perforce, and Visual Source Safe, were extensively used.
- Experience in CSS pixel-level layout, consistency with browsers, version and platform independence.
- Created animation effects during the data load while waiting for the Ajax response using JQuery.
- Debugging using Firebug and web developer tools on Chrome, Firefox, and Opera.
- Involved in the creation of complex features such as a landing page, a client dashboard and an admin dashboard, report analysis, purchasing CashToken, withdrawing money, and so on.
- Working knowledge of search engines such as Elastic Search is a plus.
- Integrated payment service with myBankUSSD.
- One-way login using OAuth2 OpenId.
- Using GraphQL to fetch and update data in a declarative manner. Put differently, we climb up one step higher on the API abstraction ladder and don't have to deal with low-level networking tasks ourselves anymore.
- Provided environment configuration based on a country and also customise the build in angular.json to build with a designated country name on CLI.
- Implement unit and integration tests using UniTest Jasmine, Arma, and Jest.
- Managed deployment CI/CD pipeline DevAzure and cloud-hosted google firebase and GCP.
- Designed and implemented a front-end UI with Angular and React.
- Designed and implemented the backend with Node.js and Typescript with Express.js.

Senior Software Engineer (Fullstack) | Travelden | Lagos, Nigeria, Dec 2017 –

Jan 2018

website: <https://finchglowtravels.com>

Travelden.com is a travel wing of finchglow group. It provides flight hotels and other travel services through the online sales channel

- Developed a Travel and Tourism web app with a team of developers. My responsibilities are to implement the database persistence, database design, GDS Integration (which is the main core of the software) and Interactive UI.
- Developed a flight ticket booking, hotel and tourism web application by integrating Amadeus GDS API.
- Process automation for the Aviation Management Web App for the Lagos Aviation Academy My responsibility is to build

software from end to end. It includes presentation layout UI, business logic, database design, and unit testing.

- **Technologies:** Java, Scala, Play 2 framework, Spring boot, Angular.js, CodeIgniter, Restful, Bitbucket, MySQL, MongoDB, Amazon EC2.

PROJECTS

Travelden

website: <https://www.travelden.com/>

Role: Frontend And Backend Developer.

Created and system that performs API calls for flights, hotels and other travel services. Thus, we apply the business profit and incentive calculation to the prices obtained from the supplier via API and sell the item to the customer.

Developed B2B and B2C Online Travelling Agency (OTA) Booking Portal.

- Developed Distributed In-Memory Caching for Booking Engine.
- Developed Audit and Sales Report Portal for Staffs.
- Consuming and Provision of JAX-WS and JAX-RS API.
- Built a microservices APIs for flight and fraud-prevention services
- Created several HTTP authentications authentication with JWT
- Create a service to manage fraudulent activities and prevent them
- Used Kafka to stream results from different sources and consumers by different activities
- **End Result:** Effectively created a booking portal for customers to book flights and other travel services.

Lagos Aviation Academy

website: <https://www.lagosaviationacademy.com/>

Role: Team Lead.

Developed the System from End-to-End. Aviation training solution. Ensuring all functionality meets business demands.

- Develop student enquiry and registration process.
- Develop SSO (Single Page Sign-In) Across Domains.
- Develop Real-Time Payment Analytic & Student Reporting System.
- Support Business Analysts in Develop Software Requirements.

Nogeltravels

website: <https://nogeltravels.com>

Role: Frontend And Backend Developer

Team member to develop and improve booking flights and hotels.

- Integrated Rest and SOAP Web-Services APIs with Amadeus (GDS).
- Improved search speed by 43% by using Memcached to store flight results for the session reusability.
- Integrated SOAP Web-Services APIs Rooms_xml distribution system.
- Database persistence using Ebean Java and Mysql.
- Designed responsive front-end UI with Bootstrap and Anguar.js

Software Engineer (Fullstack) | Travelfix | Abuja, Nigeria, Apr 2016 – Dec

2017

website: <http://travelfix.com>

- Developed a travel and tourism web app with a team of developers as a Java developer. My responsibilities are to implement database persistence, database design, business logic and unit testing.
- **Technologies:** Java, Play 2 Framework, Spark Framework, MySQL, Bitbucket, Amazon EC2

PROJECTS

Travelfix

Role: Frontend And Backend Developer

Team Member to Developing Travels and Tourism System Back-End.

- Team Member to Developing Travels and Tourism System Back-End.
- Built microservices APIs for flight and fraud-prevention services.
- Created several HTTP authentications with JWT.
- Create a service to manage fraudulent activities and prevent them.
- Database Persistence using Ebean Java and Mysql.
- Rest and SOAP Web-Services APIs Integrations with Sabar.
- Designed responsive front-end UI with Bootstrap and JQuery.

Junior Developer (Backend) | JasCube Smart System | Lagos, Nigeria, Oct

2015 – Apr 2016

website: <https://jascube-technologies.business.site>

Role: Backend Developer

- Developed an inventory management system with a team of developers. My responsibilities are to implement the business logic and database schema.
- Developed an intranet-based school management system automation application for Edubiz Schools with a team of developers. My responsibilities are to implement the business logic and database design of the application.
- **Technologies:** PHP, Spark Framework, Spring Framework, Strut 2 Framework, MySQL, Bitbucket, DigitalOcean

PROJECTS

EduBlz

Role: Frontend And Backend Developer

Student management system to satisfy most requirements expected of a such as.

- Student registration process.
- Student attendance and performance management.
- The process of managing all kinds of tuition fees.
- Teachers' record and performance management.
- Database persistence using JDBC MySql and Database schema.
- Design front-end UI with HTML, CSS, JSP and JQuery.

Ajeawa IMS

This is an e-commerce inventory management system. This is a system that will satisfy the following requirements.

- Stock management.
- Item identification.

- Physical and logical warehouse management.
- Item purchase payment management.

Intern Developer | Co-Creation Hub | Lagos, Nigeria, Aug 2014 – Oct 2015

website: <https://cchubnigeria.com>

- I worked with the Efiko team as a backend developer. My responsibilities include testing the functionalities of the application, logging bugs and issues discovered, and working with the team to make the appropriate corrections.
- I worked intimately with the EduChamber team as a backend developer. My responsibilities included database design implementation, testing applications for correctness, and business logic implementation.
- **Technologies:** PHP, Node.js, JQuery, HTML, CSS, MySql, Bitbucket

PROJECTS

Educhamber

Role: Backend Developer

Is an e-learning platform designed for examination preparation? It's a platform that targets students preparing for SSCE, NECO or JAMB examinations. It provides practice questions for all eligible subjects in these examinations.

Networking and Computer Engineer | Gallant System | Lagos, Nigeria, Jun 2013 – Oct 2014

- Assist staff and users in resolving computer-related issues such as malfunctions and program errors.
- Test maintains and monitors computer programs, systems, and networking, including the installation of computer programs and system maintenance.
- Coordination and linking of computer systems within an organization to improve compatibility and information sharing.
- Maintaining operations by monitoring errors and stoppage messages, observing peripheral equipment entering a command to correct errors.
- Installation and configuration of network devices, printers, computer programs, and operating systems.

CONTRACT PROJECTS

Software Engineer (Backend) | TravelBeta.com | Lagos, Nigeria / Contract

Website: <https://travelbeta.com>

Role: Frontend And Backend Developer

TravelBeta.com is one of the top 3 travel companies in Nigeria. It leverages its profit on its vendor competition by extracting the best price from all its supplier. Likewise easing the booking and increases the overall customer after-sales experience.

Created and system that performs API calls for flights, hotels and other travel services service from two or more vendors; We aggregated the results and provide the best results based on the business's pre-defined conditions.

- Built the services APIs and led a team of 3 front-end engineers to consume the API with documentation provided.
- Developed a Unified SDK for the vendors to share a common DAO (Data Access Object) – Available in Typescript and Typescript DSL
- Created several HTTP header authentications with JWT.

- Used Kafka to stream results from different sources and consumers by different activities.
- **End Result:** Increase customer experience and trust in the business. Which increases overall sales.
- **Technologies:** Typescript(Node.js, Express), Java, RabbitMQ, Redis, Spring Framework, MySQL, AWS, Docker, Kubernetes, ReactJS(Javascript).

Software Engineer (Backend) | Ajala. ng | Lagos, Nigeria / Contract

Website: <https://ajala.ng>

Role: Frontend And Backend Developer

Ajala.com is an online travel management company. The company provide travel services to its client through the online channel. Through B2B and B2C business models, the company sells a wide range of services by providing individual platforms for use.

Created and system that performs API calls for flights, hotels and other travel services. Thus, we apply the business profit and incentive calculation to the prices obtained from the supplier via API and sell the item to the customer.

- Built microservices APIs for flight and fraud-prevention services.
- Created several HTTP header authentications with JWT.
- Create a service to manage fraudulent activities and prevent them.
- Used Kafka to stream results from different sources and consumers by different activities
- **End Result:** Effectively created a booking portal for customers to book flights and other travel services
- **Technologies:** Java, Kafka, Redis, Spring Framework, MySQL, Akka, AWS, Docker, Kubernetes, Angular

EDUCATION

Honor Diploma, Software Engineering | National Institute of Information Technology | Lagos, Nigeria **2011 – 2014**

- 3.88 CGPA

CERTIFICATE

Software Architecture:

<https://udemy-certificate.s3.amazonaws.com/pdf/UC-31788d5d-9cec-4c97-8f61-94d70a272bf4.pdf>

PROFILES

Personal Website: <https://semslam.github.io/my-portfolio/>

Linked In: <https://www.linkedin.com/in/ibrahim-olanrewaju-2b8473103/>

GitHub: <https://github.com/semslam>