

Mazidatou Abogourin

Full-stack Developer

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Career Summary

- Full Stack Developer with 7+ years of experience in designing and building scalable web applications and backend systems using **Angular 7+** , **Spring Boot**, **Nestjs**, **MongoDB** and **MySQL** for efficient data management.
- Experience with modern Angular features such as **standalone components**, **Signals** with hands-on experience using **NgRx** and **RxJS** for effective and scalable state management.
- Proficient in **Reactive Forms and Custom Validators** for building dynamic, scalable, and fully validated user input flows in high-performance, data-driven Angular applications.
- Proficient in **Angular Material** for modern UI development, with experience building responsive web applications and creating interactive charts using **Chart.js** for **dynamic data visualization and filtering**.
- Skilled in Implementing advanced **performance optimization** techniques including **Lazy Loading**, **Preloading** strategies, and **Server-Side Rendering (SSR)** with Angular Universal to enhance load speed, SEO, and user experience.
- Proficient in Enhancing backend performance by implementing **caching strategies** and session management using Spring **Cache and Redis**, effectively reducing database load and improving response times.
- Skilled in implementing **JWT-based authentication**, **Angular route guards**, and **HTTP interceptors** to ensure application security and streamlined communication between frontend and backend systems.
- Experienced in developing **RESTful APIs** using **Spring Boot (Java)**, with strong expertise in implementing **JWT authentication** and **OAuth2.0 authorization**.
- Experienced in writing unit and integration tests with **Jasmine**, **Karma** and **Jest** to ensure application stability and reliability.
- Experience in deploying and managing applications on **AWS EC2** and **Amazon S3** for efficient and secure object storage, including file uploads, static asset hosting and backup solutions
- Comfortable working in Agile environments with experience using **Git**, **GitHub**, **JIRA** and collaborative workflows including pull requests and code reviews

Technical Skills

Languages and Frameworks: Angular, TypeScript, Javascript, HTML5, CSS3, Java, Spring boot

Cloud& DevOps: AWS (S3, EC2, Lambda, Cloudwatch), Docker Compose, GitHub Actions

Databases: MySql, MongoDB, Mongoose, Redis

Testing Framework: Jasmine, karma, ESLint, Chrome Dev Tools, Lighthouse,

Tools & Project Management: Visual Studio Code, Postman, Agile (Scrum, Waterfall), JIRA

Working Experience

Central dispatch | Onsite

Jan 2023– Present

Central Dispatch is a popular online cargo platform that connects auto transporters with brokers and shippers across the U.S . The Transportation Management Dashboard is a centralized web application that allows users to take full control of their vehicle shipments. It allows shippers and brokers to manage dispatches, pricing, scheduling, and monitor load activity.

Responsibilities:

- **Contributed to the successful migration** of a comprehensive **Transportation Management Dashboard** using **Angular 14**, **Spring Boot**, and **MongoDB**. The system featured a **price checker**, **shipment tracker**, and an **interactive command center** for managing vehicle dispatch and deliveries, enhancing operational efficiency and user experience.
- Used **Angular Reactive Forms and Customs Validators** to capture pickup/drop-off locations, vehicle type, load weight, and preferred delivery time, implementing validation for accurate user input
- Utilized **Redis to cache and manage shipment status updates**, enabling low-latency access and reducing load on the primary database.
- Implemented live GPS tracking of vehicles with real-time map visualization using RxJS and leveraging the **@angular/google-maps** package alongside Google Maps API to deliver an interactive user experience.
- Applied Angular Universal for **server-side rendering (SSR)** to improve SEO and optimize initial page load times, and used **lazy loading**, **preloading strategies**, and **OnPush** change detection to boost client-side rendering performance.
- Integrated backend APIs using **WebSockets** and Angular's **RxJS observables** to establish persistent, real-time connections for streaming **vehicle dispatch location updates**, leveraging operators like **map** and **switchMap** to manage asynchronous data streams efficiently.
- Implemented **JWT-based token** and **Angular route guards**, along with **HTTP interceptors** to ensure secure and seamless communication between frontend and backend services.
- Developed secure **RESTful APIs** using Spring Boot with **JWT authentication** and **CORS configuration** to control access to dashboards and services.
- Wrote **unit and integration tests** using **Jasmine and Karma**, achieving 85% test coverage to ensure frontend component reliability and maintainability.

- Applied **web accessibility best practices (WCAG)** to ensure that user interfaces are inclusive and usable by individuals with disabilities, including proper semantic HTML, ARIA roles, keyboard navigation, and color contrast.
 - Implemented automated CI/CD pipelines using **Docker Compose** and **GitHub Actions**, enabling continuous deployment and monitoring
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MTN Benin | Cotonou, Bénin

Oct 2021 – Dec2022

MTN (Mobile Telephone Networks) is one of the largest telecom companies in Africa and the Middle East. This project focused on redesigning a bill payment platform that enables utility bill payments via MTN Momo, with the primary goal of enhancing user experience by creating a modern, intuitive interface.

Responsibilities:

- Contributed to the redesign of the bill payment platform using **Angular 10+**, **TypeScript**, **HTML/CSS** and **MySQL**.
 - Developed user input validation logic for login and sign-up workflows utilizing Angular **Reactive Forms** and **RxJS**, ensuring data integrity and security.
 - Integrated frontend components with backend services through **RESTful APIs** and **Angular HttpClient**, enabling seamless retrieval and display of customer and order information.
 - Conducted unit testing of Angular components by writing test cases for form validation and component rendering using **Jasmine** and **Karma**, achieving 80% test coverage.
 - Enhanced platform responsiveness and accessibility by adhering to accessibility standards (**WCAG**)
 - Optimized frontend performance through Angular **lifecycle hook** improvements and **lazy-loading** strategies, reducing page load times and improving overall speed and usability.
 - Collaborated closely with backend developers through **Git** and **GitHub**, actively participated in **Agile Scrum ceremonies** such as daily standups and sprint planning, ensuring efficient teamwork and timely delivery of frontend features.
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Nalo Solutions limited | Accra, Ghana

Jan 2018– Sep 2021

NALO Solutions, based in Accra, is a top-tier software development company in Ghana. It stands out as a leading provider of Bulk SMS services, USSD short and long codes, as well as bulk email solutions across the country.

The Client Support Dashboard is an internal web application developed for Nalo Solutions Limited employees to efficiently monitor transactions, manage support tickets, and respond to client issues. The application centralizes support operations, enhancing response time and service reliability.

Responsibilities:

- Participated in the redesign of the entire client support dashboard using **Angular 7+** for the frontend and **MongoDB** for backend data management, improving usability, performance, and scalability.
- Developed a responsive and intuitive user interface leveraging Angular's **component-based** architecture, **Reactive Forms** for dynamic form controls, and **RxJS** for managing real-time data streams.
- Implemented a ticket monitoring panel with dynamic filtering, real-time search using debounced input, and visual status indicators to streamline issue tracking and resolution.
- Applied Server-Side Rendering (**SSR**) to enhance **SEO** and reduce initial load times, improving overall performance and user experience.
- Built dynamic forms for creating and responding to support tickets, with comprehensive validation and seamless integration with backend APIs.