

# Ruth Alao

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Experienced software engineer with 6+ years of hands-on experience in crafting scalable, high-performance web applications. Skilled in JavaScript, ReactJS, NodeJS, TypeScript, SQL, and NoSQL databases. Expertise in architecting reusable modules, automating builds, and optimizing front-end performance. Proficient in RESTful APIs, CI/CD, Docker, Kubernetes, Microservices, Task/messaging queues, and API integrations. Strong background in authentication, tested JavaScript, HTML5, CSS, and state management tools. Thrives on creating distributed systems, pioneering new tech, and streamlining tasks. Recognized for project management, technical leadership, and mentorship.

## Relevant Experience

### Senior Fullstack Engineer

Sept 2020 - Present

Tradeling

- Tradeling is the leading B2B E-commerce Marketplace in the MENA region with approximately 10k daily users.
- Accomplished the design and implementation of a highly scalable, maintainable, and performant back-office application architecture and code that provided data and functionality to support Tradeling customers, manage orders, review and approve products, set up campaigns, create promotions, configure tags, manage commissions per user, generate invoices, and perform back-office user management, as measured by it's successful use in enhancing operational efficiency and customer satisfaction.
- Developed frontend web components such as banners, carousels, and cards. Improved the performance of the frontend application by optimizing the database design, reducing API response time, and minimizing server load. This led to a substantial enhancement in page load speed and user experience. Implemented analytics and impressions tracking for all banners to collect accurate user interaction data and help guide optimization strategies.
- Successfully executed migrations from non-relational MongoDB to relational PostgreSQL database, ensured the seamless transfer of data and maintenance of data integrity.
- Led the implementation of Headless CMS, Strapi, as a key tool for the business and marketing team, providing a more user-friendly interface that facilitates the creation and deployment of web pages in a faster and more efficient manner.
- Managed AWS services including EC2, S3, CloudFront, and other cloud services to effectively host, scale and maintain the application, ensuring a highly available and reliable platform.
- Established automated testing and deployment processes, resulting in increased efficiency, faster turnaround times, and improved overall software quality.
- Provided guidance and mentorship to junior developers during onboarding, fostering a collaborative and supportive team environment while ensuring successful integration and professional growth for new team members.
- Conducted thorough code reviews for fellow developers, offering constructive feedback and guidance to promote adherence to best practices and maintain high code quality standards.

NodeJS   Typescript   React   NextJS   Redux/Context API   PostgreSQL   AWS   Docker   CI/CD   HTML   CSS/TailwindCSS   Microservices   Redis   DynamoDB   WebSocket   Kubernetes   System design   TDD   [Tradeling](#)

### Software Developer

Aug 2017

Andela Nigeria

- Andela is an organisation that cultivates IT talent in Africa and provides leading global technology companies with access to a high-skilled resource pool.
- Created an online publishing platform that enables users to publish, share, and manage their articles with ease.
- Collaborated effectively with remote teams located across various time zones to ensure seamless communication, efficient workflow, and timely project completion.
- Developed a messaging web application to facilitate communication and collaboration among teams. The application features complex functionalities and is optimized for performance and scalability.
- Made significant contributions to the open-source project Reaction Commerce, including fixing bugs, and improving documentation.
- Took part in Andela coding boot camp and multiple hackathons to sharpen coding skills and gain hands-on experience in developing innovative solutions.
- Contributed to the development of Cards For Humanity, an online version of the popular card game, Cards Against Humanity.

NodeJS   React   Redux   SCSS   TDD   Javascript ES6   MongoDB   PostgreSQL   Webpack   CircleCI   Heroku   [andela.com](#)

## Education

### Covenant University

2010 - 2014

Bachelor's Degree, Computer Science

CGPA: 4.43/5

Final year project: A Computing Platform for Metabolic Network Visualization and Topological Analysis.

## Selected Personal Projects

### Location Intelligence System

2023

This project is a Location Intelligence System that allows users to track and manage vehicle locations. It includes a web-based user interface for interaction and a back-end API for data storage and retrieval. The system utilizes Typescript, React for the front-end development, Node.js and Express for the back-end API, and MongoDB as the database management system. It also integrates with Google Maps Developer APIs for displaying vehicle locations on a map.

NodeJS   React   Typescript   Redux   SCSS   GoogleAPIs   MongoDB   AWS   Heroku   Javascript ES6   [Location Intelligence System](#)

### Github Searcher

2020

This project allows users to search through github users and repository. It includes a web-based user interface for interaction and a back-end API for data storage and retrieval. The system utilizes Typescript, React for the front-end development, Node.js and Express for the back-end API, and Redis for caching API request to Github.

NodeJS   React   Typescript   Redux   SCSS   Redis   Mongoose   GithubAPI   Javascript ES6   [Github-sercher](#)

## Selected Awards and Certifications

Grokking Modern System Design Interview for Engineers&Managers

2023

Educative, Inc.

[See certificate](#)

Microsoft Certified Professional

2016

Microsoft License 13392204

Lean Six Sigma Yellow Belt Certification

2017

[See certificate](#)

Postilion Basic Traning

2016

[ACI worldwide](#)