# Ruth Alao

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I am an experienced software engineer with 6 years of hands-on experience building highly performant and scalable web applications. I have a solid understanding of practical programming concepts and design patterns, with expertise in JavaScript, ReactJS, NodeJS, TypeScript, SQL, and NoSQL databases. My experience includes developing self-contained, reusable modules and components using ReactJS, architecting and automating build processes, and monitoring and improving front-end performance. I have excellent knowledge of RESTful APIs using NodeJS and CI/CD principles. I have experience in Docker and Kubernetes, API gateway integrations like 3Scale, task/message queues such as AWS SQS, Pushpin, RabbitMQ, and Kafka. I possess strong knowledge of Single-Sign-on or token-based authentication. I am highly skilled in writing tested, idiomatic, and documented JavaScript, HTML5, CSS, and state management tools like Redux, Context API, and data structures. I love creating distributed systems, prototyping with new technologies, and automating tedious tasks. Routinely trusted to manage projects effectively, facilitate technical decisions, and mentor junior developers.
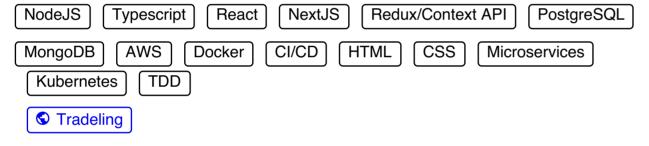
## Relevant Experience

### Senior Fullstack Engineer
Sept 2020 - Present
Tradeling

- Tradeling is the leading B2B E-commerce Marketplace in the MENA region with approximately 10k daily users.
- Designed and implemented a full-fledged back-office application architecture and code that is highly scalable, available, maintainable, and performant to provide 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, manage customers information, backoffice user management.
- Built backend and frontend web components for banners, carousels, cards, etc. Optimize performance of the frontent application by improving database design, reducing API response time, and minimizing server load. Implemented analytics tracking and impressions tracking for all banners to accurately capture relevant data from users' interaction.
- Handle Migrations from non-relational MongoDB to relational PostgreSQL Database.
- Spearheaded implementation of Headless CMS, Strapi, a key tool for the business and marketing team which provides a more friendly to use interface that enables the team to create and deploy web pages faster.
- Worked with AWS services such as EC2, S3, and CloudFront.
- Implemented automated testing and deployment processes.
- Onboarding and mentoring junior developers.
- Review code developed by other developers and provide feedback to ensure best practices.
- Write documentation.
- Troubleshooting and resolving major and minor bugs.

`NodeJS` `Typescript` `React` `NextJS` `Redux/Context API` `PostgreSQL` `MongoDB` `AWS` `Docker` `CI/CD` `HTML` `CSS` `Microservices` `Kubernetes` `TDD`
🌐 Tradeling

### Software Developer
Dec 2018
IBM (contractor)

- TAMM Project In Abu Dhabi is an impactful project aiming to revolutionise how citizens of Abu Dhabi interact with government services.
- Collaborated with cross-functional teams to deliver high-quality software.
- Built a powerful business calculators for potential business investors. Integrate multiple API to provide estimate calculations.
- Integrate third-party tools and middleware, as well as internally developed applications for web browsers and mobile devices by building responsive web application UIs.
- Developed highly optimized frontend visualization of investment data using charts, graphs, interactive investment maps.
- Optimize performance of the frontent application by improving database design, reducing API response time, and minimizing server load.
- Worked closely with designers, product owners and product managers to prioritize the most relevant features.
- Iintegrate testing processes, design strategies, writing test cases and incorporating automated tests into CI / CD pipeline.
- Implement security measures to protect data and user privacy.
- Fixed major and minor bugs that may hinder user satisfaction.
- Receive and provide feedback in code reviews and pair programming, juggling concerns like robustness, maintainability, development-speed, performance, security and architecture.

`NodeJS` `Typescript` `React` `GraphQL` `PostgreSQL` `SCSS` `TDD` `Jest` `Agile` `Serverless` `Distributed Systems` `Esri Maps`
🌐 tamm.abudhabi

### 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.
- Developed an online publishing platform, where users can share and manage articles.
- Collaborating with remote teams across different time zones.
- Developed a complex messaging web application, to enable communication and collaboration amongst teams using Node.js, Express.js, and ReactJS.
- Wrote numerous unit and API tests.
- Contributed to Reaction commerce open source.
- Participated in Andela coding bootcamp and numerous hackertons.
- Contributed to Cards For Humanity, a fast-paced online version of the popular card game, Cards Against Humanity.

`NodeJS` `React` `Redux` `SCSS` `TDD` `Javascript ES6` `MongoDB` `PostgreSQL` `Webpack` `CircleCI` `Heroku` 🌐 andela.com

### Systems Engineer (Electronic Payment Solutions)
Jan 2016
Interswitch Nigeria

- Interswitch is an Africa-focused integrated digital payments facilitating the electronic circulation of money between individuals and organizations on a timely and consistent basis. Responsible for continous delivery/continous deployment of payment across multiple sites of approximately 13million customers.
- Full FEP Deployment, Upgrades, Maintenance & Support of core banking systems (Postilion, Postcard, Postilion Office).
- HSM (Hardware Security Module) Deployment.
- Channel Enhancement & Certification (ATM, POS, WEB, and Mobile).
- Integration of external systems and networks. Examples: Integration to Processors/Switches (MasterCard, VISA, VERVE).
- Installing, managing, upgrading and administering Microsoft SQL databases.

`Postilion` `FinTech` `Load balancing` `System design` `Electronic Funds Transfer` `MSSQL` 🌐 Interswitch.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

### Github Searcher
2020

Search through github users and repository.

`NodeJS` `React` `Typescript` `Redux` `SCSS` `Redis` `Mongoose` `Javascript ES6` 🌐 Github-sercher

### The-Consent-Game
2019

The consent game is built for The Consent Workshop, to teach young adults about consent.

`React` `Redux` `SCSS` `Javascript ES6` 🌐 The-Consent-Game

## Selected Awards and Certifications

### Microsoft Certified Professional
2016
Microsoft License 13392204

### Python- codecademy
2017
Codecademy

### Lean Six Sigma Yellow Belt Certification
2017
See certificate

### Postilion Basic Traning
2016
ACI worldwide