



# CHARLES ODUK

Senior Software Engineer

London, England | [linkedin.com/in/charlieoduk](https://www.linkedin.com/in/charlieoduk) | [charlesoduk.dev](https://charlesoduk.dev) | [contact@charlesoduk.dev](mailto:contact@charlesoduk.dev) | +447307721381

A technical leader with 7 years experience building reliable and scalable full-stack solutions.

## SKILLS

Software Design	Problem Solving	Web Development	REST	JavaScript	ReactJS
MongoDB	PostgreSQL	TypeScript	APEX	AWS	

## WORK EXPERIENCE

### ACUMEN ACADEMY

Technical Team Lead | Aug 2022 - Current

- Successfully led the rebranding of the website, orchestrating a complete overhaul of the site's design and user experience.
- Led the implementation of a backup database system, ensuring high availability. Established a strategy that included real time replication and integrated Slack notifications to alert the team of backup failures.
- Integrated a Learning Management System (LMS) into our existing tech stack, utilizing RESTful APIs and SAML 2.0 single sign-on for seamless user authentication and data synchronization.
- Spearheaded the integration of OpenAI's generative AI tools into the organization's workflows by leveraging the Assistants API to create custom solutions tailored to our specific needs.

### ACUMEN ACADEMY

Senior Software Engineer | Nov 2019 - Aug 2022

- Led the initiative to rewrite our Node.js backend in TypeScript, enhancing the codebase with strong typing and improved maintainability.
- Built a chatbot to help match social entrepreneurs within the organization's network, reducing manual matching efforts by 40%.
- Implemented a service that automates the creation of new course sessions. Reducing manual effort, minimizing course availability downtime, enhancing operational efficiency and providing a seamless experience for users.
- Wrote comprehensive tests that increased code coverage from 60% to 85%, significantly improving the reliability and robustness of the application.

## ACUMEN ACADEMY

Software Engineer | Jun 2018 - Nov 2019

- Led the frontend development of the website in GatsbyJS, migrating from a legacy CMS. The new site improved site speed, maintainability, and scalability, providing a more robust platform for future growth.
- Advocated for and implemented a headless CMS in our tech stack, enabling teams to efficiently manage and deliver content. This initiative significantly improved collaboration between developers and content creators.
- Collaborated with the Recruiting Manager to hire new developers and onboard engineers, ensuring they had a smooth introduction to our tech stack.

## ANDELA

Software Developer | Jun 2017 - Jun 2018

- Collaborated with a team of engineers to develop an internal mentorship platform, leveraging PHP Lumen for the backend, AngularJS for the frontend, and PostgreSQL for the database.
- Developed comprehensive test cases, including both unit tests and end-to-end tests, to ensure a high-quality product with minimal downtime.
- Recommended and implemented enhancements to improve database performance and data integrity, such as adding indexes to frequently queried columns in PostgreSQL, resulting in a 10% reduction in latency.
- Successfully handled numerous minor application enhancements, upgrades, and bug fixes, ensuring continuous improvement and stability of the software.

## EDUCATION

### ANDELA

Bootcamp Grad | Jun 2017 - Jun 2018

## PROJECTS & VOLUNTEER WORK

### TWILIO

Twilio Champion | Jun 2018 - Current

- I share my knowledge with the Twilio developer community by writing blogs. My most popular article is on [building a chatbot](#).
- I recently spoke about my role as a Champion during the [Developer Training at SIGNAL London](#).