

# Rollo Kennedy-Dyson *Software Engineer*

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## 🧠 Skills

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Typescript | Python | AWS Lambda | React.js | Javascript | AWS DynamoDB | AWS Cognito | NumPy | PostgreSQL | Pandas | MongoDB | Node.js | Next.js | Project Planning | Git | Haskell | Java | Data Structures | Serverless | TailwindCSS | Algorithms

## 📁 Professional Experience

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**Rightcharge Limited, Full stack Software Engineer** 06/2024 – Present  
London, UK

- Migrated React Front-end from Javascript, Material UI using Create-React-App to a full Typescript, Shadcn, Tanstack Router/Query stack built using Vite.
- Developed and optimised our Serverless Python Lambda's API's. Managed migration from Python 3.9 to 3.14.
- Managed and planned third-party charger integrations for our app, built using OCPI (Open Charge Point Interface) or directly via API.
- Mentored and upskilled fellow team members on both front end and back end.
- Helped develop and refine the pipeline for Customer Success, using Zendesk and Linear for a tight CS and tech integration and loop.

Tech stack: Typescript, Python, React, AWS Lambda, DynamoDB, TailwindCSS, Cognito

**Splitease, Full-stack Developer** 2023 – 2024  
London, UK

- Implemented Agile methods in a group of 5, with daily stand-ups and regularly evaluating our progress.
- Built both static and dynamic server components to be served to the user, with client components for responsive interaction.
- Engineered SQL queries for managing user debt and balances.
- Continuous deployment to Vercel.

Tech stack: Next.js 14, Server-Side rendering, PostgreSQL, Tailwindcss, Typescript, NextAuth.js, Vercel, Cypress, Jest

**onTrial, Full-Stack Developer** 2023 – 2023  
London, UK

- Worked in team of 2, to refactor an entire codebase to Typescript for better type safety and reliability.
- Implemented component testing using Vitest and React-testing-library, achieving 82% code coverage on the front end.
- Used SuperTest and Jest for robust testing of API endpoints in the back-end, achieving 86% code coverage.

Tech Stack: React, Typescript, Vite, Vitest, Jest, Supertest, React-testing-library, MongoDB

## 📁 Projects

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**TV4Me, Full-stack Developer** 2023 – 2024

- Built a Next.js Full-Stack application using server-side components from the ground up.
- Concept creation, UI/UX design.
- Backend built to provide user data combined with third party TV database API.

Tech Stack: Next.js, Typescript, Tailwindcss, Mongoose/MongoDB

## 🎓 Education

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**2:1 BSc Computer Science, University of Southampton** 2020 – 2023  
Southampton, UK

- **Object Oriented Programming** - Java, JavaFX, Maven
- **Functional Programming** - Haskell, Code Interpreter using Alex and Happy
- **Machine Learning** - Python, Pandas, NumPy, Scikit-learn
- **Algorithms / Data Structures**

**Software Engineering, Codeworks** 2023  
London, UK