


# CEM RATIP

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## Skills

Python | C++ | C# | Java | Kotlin | Scala | TypeScript | JavaScript | Node | React | Redux | Tailwind | Express | Nest | HTML | CSS | MongoDB | Firebase | MySQL | AWS EC2 | AWS Lambda | AWS S3 | AWS RDS | Android Studio | REST | GraphQL | Git | Heroku | Docker | Kafka | Jira

## Education

**BSc Computer Science** **King's College London** *Strand, London* **09/2021 - Current**

- Current grade: First Class Honours

**A Levels** **Trinity School of John Whitgift** *Croydon, Surrey* **09/2019 - 07/2021**

- 4 A-Levels: Maths (A\*), Further Maths (A\*), Computer Science (A\*), Economics (A)

**iGCSEs** **Royal Russell School** *Croydon, Surrey* **09/2011 - 07/2019**

- 10 iGCSEs: 8x 9s, 2x 8s

## Experience

**Software Engineer Intern** **Expedia Group - Internship** *Angel, London* **05/2023 - 09/2023**

- Worked on bug fixes for the following Expedia Group brands: Vrbo, Expedia, Hotels.com, Bookabach and Stayz.
- Had my fixes released to production and demonstrated my work to the team during standups.
- Used **Java**, **Kotlin**, **Node**, **GraphQL** and **Docker** and wrote unit tests with **JUnit**, **kotlin.test** and **Mockito**.
- Communicated with other teams for approvals, requirement elicitation and information on other microservices.
- Worked in an existing team of 12 and used **Jira** for project management.

**Backend Software Engineer** **Green Group Enterprise - Full Time** *Remote* **08/2022 - 08/2023**

- Developed a scalable backend API for the company's platform using **TypeScript**, **Nest**, **MongoDB**, **Heroku**, **AWS Lambda**, and **AWS S3**.
- Wrote unit and e2e tests, created a database seeder and implemented authentication procedures using passportJS.
- Mentored newcomers, managed code reviews, and operated in a CI/CD environment.

**Event** **JPMorgan 'Code for Good' Hackathon** *Bishopsgate, London* **10/2022**

- Collaborated in a 5-person team to create a CRM system for a tuition business within a 24-hour timeframe.
- Discussed requirements with beneficiaries and developed using **Flask**, **Bootstrap**, and a **MySQL** database.
- Presented the final product for client feedback.

**Frontend Web Developer** **Satalia - Internship** *Islington, London* **06/2019 - 07/2019**

- Collaborated in a three-person team to develop an informational AI progression website using **React** and deployed with **Netlify**.
- Gained insight into how the company coordinated teams of developers, met client specifications and managed version control.

## Projects

**Web Application (Frontend only)** **Game Rental Marketplace** **05/2023 - Current**

- Developing a peer-to-peer video game rental website (<https://game-rental-marketplace-website.vercel.app>).
- Using **React**, **Redux** and **Tailwind** for frontend and **Figma** for design and prototyping, resulting in a clean and professional UI.

**Web Application** **Data Bin** **09/2022**

- Created [databin.co.uk](https://databin.co.uk) - a service for transferring and temporarily storing text (code & file sharing coming soon).
- Tech stack includes a **React** and **Tailwind** frontend, and **Nest**, **TypeScript** and **MongoDB** backend.

**Google Chrome extension** **Search Tenure for Rightmove** **02/2022**

- Published a Google Chrome [extension](#) that filters property results by tenure on the Rightmove website.
- Developed in vanilla **Javascript**, **HTML** and **CSS**.

**Python Script** **Automated Cryptocurrency Trading Algorithm** **10/2019**

- Created an algorithm to trade user-specified cryptocurrency pairs using the RSI indicator on live market data fetched from an API.
- Ran the algorithm on an **AWS EC2** instance for 14 days, yielding a 7% net profit.

Check out my other projects at [cemratip.com](https://cemratip.com)