Dario Russo

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Skills

Typescript (High), **Python** (Moderate), **Next.js** (High), **React** (High), **Express.js** (High), **Django** (Moderate), **Docker** (Moderate), **GCP** (High), **AWS** (Moderate), **GIT** (High)

Experience

Spotify User Analyser API – Junior Backend Engineer – Forever Audio | September 2023 – August 2024

Developed **REST APIs** for over 8 Spotify advertising campaigns (**Typescript**, **Express.js**, **MySQL**, **GCP**).
- Decreased **REST API** response times by 20% through the introduction of memory caching, which led to a 5% reduction in user drop-offs.
- Reduced code complexity by 8% by refactoring legacy code and implementing a modular architecture with **SOLID principles** and **design patterns**, resulting in a 3% increase in developer productivity.
- Cut deployment time for new campaigns by 83% by developing **CLI tools** that utilise **GCP APIs** to automate the creation of **SQL** and **Cloud Storage** resources, resulting in a 40% reduction of **CI/CD** related errors.
- Implemented new template layouts for **Prismic** and **Strapi CMS** platforms by meticulously adding 5 new templates while ensuring 100% uptime for all running marketing campaigns.
- Fixed a bug in **OAuth 2.0** by correcting the misuse of the state token, protecting thousands of users from **CSRF** attacks and improving overall security.
- Supported the frontend team in testing marketing campaigns across **mobile** and **desktop environments**, by actively identifying and raising 13 bugs across 10 different campaigns.

Internal Dashboards – Junior Backend Engineer – Forever Audio | January 2024 – August 2024

Managed and implemented internal full stack **dashboards** for managing marketing playlists and Spotify test accounts (**TypeScript**, **Next.js**, **Express.js**, **MySQL**, **Tailwind**, **GCP**).
- Improved company dashboards by adopting a **mobile first** approach, which enabled account managers to efficiently perform tasks on mobile devices, resulting in a 10% increase in usage of mobile devices.
- Optimised the marketing playlist dashboard by implementing **real-time** track approval with **Pusher,** resulting in a 50% reduction in track approval time.
- Authored over 50 development tickets on Monday **Kanban board**, detailing technical tasks, bug fixes, and feature enhancements, minimising developer inquiries and expediting task initiation.

Simorgh & **Psammead**– **Trainee Software Engineer –** BBC | September 2021 – June 2023

Developed and maintained BBC's News World Service **React internationalised single page application**, enabling the delivery of 41 news services to millions of users worldwide (**Typescript**, **React.js**, **AWS)**.
- Enhanced code reusability by introducing the **compound components design pattern** for promo cards **React** components, resulting in a 1% reduction in code duplication and improved project scalability.
- Boosted **React** components' reliability by achieving 100% **unit test** coverage with **Jest** and **React Testing Library**, and 100% **integration test** coverage with **Cypress**, which resulted in zero production bugs.
- Consumed in-house BBC **CMS** content using the **Backend for Frontend (BFF)** pattern, reducing **React** components complexity by 30%.
- Improved design accessibility by advising a team of four designers on **WCAG** guidelines and through leading accessibility 'swarms,' resulting in astonishing reviews by the Accessibility Lead.
- Promoted a **least privilege** model by pairing with two frontend engineers to create a **CLI tool** using the **AWS IAM API**, resulting in an 80% reduction in **AWS console** access requests.

Education

Queen Mary University of London, London, BSc Computer Science, 2023.