

Shakeel Subratty

Software Engineer

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Education

King's College London | London, UK

Sep 2016 - Jul 2019

BSc Computer Science (with Artificial Intelligence) | **First Class Honours**

Relevant Coursework: Data Structures & Algorithms, Database Systems, Internet Systems, Operating Systems & Concurrency, Object-Oriented Design, Artificial Intelligence, Computer Vision, Pattern Recognition

Employment

Digital Analyst

Sep 2019 - May 2021

PayCheck Ltd. | London, UK

- Led a digital transformation project, increasing operational performance by 20%.
- Developed a data migration solution in **Python** that reduced migration timings by 90%.
- Coordinated with board of directors, senior management and third-party developers to plan projects, manage timelines and handle changing circumstances.

Software Engineer, Part-time

Jul - Dec 2018

Project Access | London, UK

- Designed and built a **full-stack web app** for a non-profit startup using **React, Node/Express, PostgreSQL**.
- Reduced time to match applicants from 10 minutes to a 30 second, three-click process.
- Deployed production app to **AWS**, serving thousands of users.
- Implemented role-based authentication using **passport.js** and **JWTs**.
- Managed two volunteer programmers, who assisted development, using **Kanban** to prioritise requirements.

Projects

- **anagramfinder.co.uk** (2021) - A web anagram solver with ~1000 monthly visitors. **React, Python, AWS Lambda, Google Firebase**
- **Axis - Analytics Web App** (2018) - Full-stack web app that hosts anonymous workshops and analyses user input to generate insights e.g. engagement, repetition, sentiment analysis. **React/Redux, Node/Express, MongoDB, Google Cloud Platform, Java/SpringMVC, JUnit, Docker**
- **Scheduling App** (2017) - **Java** application that takes a set of people with skills and tasks, and produces a schedule. **Java FX, Gradle, JUnit**
- **Genetic Algorithm Music Player** (2016) - **Android** music player app that optimises a library of songs from the Spotify API to the user's preference using a genetic algorithm. **Java, Android, SQLite**
- **Autumn** (2014) - Coded the movement, camera and basic gameplay for a prototype video game level alongside a team of like-minded young teenagers. **C#, Unity**

Additional Experience

- **Kickstart London** (2018-2019) - Co-organised the largest startup pre-accelerator for students across London's top universities, collaborating with industry experts from companies like Starling Bank, Gett and SeedLegals.
- **Vice President of KCL Tech Society** (2017 - 2018) - Led one of the largest student societies in the UK. Organised a 24-hour student hackathon held at the BlackRock offices in London. Attained sponsorships from major tech companies, planned the logistics of the 200+ attendee event and catered to the needs of attendees as the director and host of the event.
- **Android Development Course** (2017) - Taught a five-week beginners course on **Android** development, taking a practical approach to help students build a to-do app using **Java** and **SQLite**.