

TIHOMIR STEFANOV

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PROFILE

Innovative, collaborative and motivated computer scientist with three years experience in backend systems using a multitude of languages. Seeking a role where high-quality software development standards are valued and creation of well-designed, maintainable and reliable products build on modern technologies.

PROGRAMMING SKILLS

Python | Java | Kotlin | Scala | C++ | React | Kafka | SQL | Spring Boot | Android Development | Django | Docker

WORK EXPERIENCE

Teaching Assistant, King's College, London (UK) 2022 – Present

- **Database Systems** - contribute to the Teaching Assistant programme at my university by teaching Database Systems to students currently studying Computer Science in year 1.

Information Technology Intern, American Express, London (UK) Jun – Sep 2022

- **Software Deployment** – worked with Spring Cloud Services, Kafka topics and Java to integrate and deploy a data migration prototype. Automation of the client data onboarding process.
- **Data Migration** – create a data migration prototype using Kotlin with Spring Boot, Docker containers and Kafka queues to create a proof of concept.

Immersion Program, American Express, London (UK) Apr – May 2022

- **Open-Banking** - develop the back-end system for the Open-Banking API AMEX website using Kotlin and Spring Boot and H2 database which communicated with a React-based front-end.
- **Mocking service** - Improve the available functionalities of the website creating a mocking service to each of the APIs by generating a swagger document inside the front end of the application using swagger-UI.

Intern, Dreamix, Sofia (BULGARIA) Jul – Oct 2021

- **Vacation Tool** – contribute to an in-house project by improving the user interface and backend architecture by migrating to Spring Boot in the backend for DB management and Angular integration in the Front-End.
- **Issue Tracking System** - RESTful application using Java with Spring Boot and Angular. Used a proxy file to connect the frontend and the backend.
- **Research and Development** - used Servlets and JSP to create a Model View Controller simple application and communicate with a database using JDBC.

EDUCATION

BSc Computer Science, Kings College London University (UK) 2020 – Present

Projects created at university:

- **Bicycle Planner** - mobile application using Kotlin, Firebase, Junit and Mockito to create a bicycle planner using the TFL bicycle API and Mapbox API to add navigation features to the application.
- **Utilem** – start-up to create an eCommerce professional services application for both web and mobile usage.
- **Chess club** – deployed chess club management system web application using Python and Django.
- **Live Traffic** - tracker showing traffic incidents in the US using JavaScript and asynchronous AJAX calls.
- **Compiler for brainfsck** - compiler for a language called brainfsck using functional programming in Scala.

ADDITIONAL QUALIFICATIONS

The Intrapreneurs club, London (UK) Jan – Jun 2022

- Took part in The Intrapreneurs club accelerator programme fully funded by American Express.
- Attended weekly sessions consisting of Technical and Professional Masterclasses and Mentoring sessions.
- Received a summer internship offer from American Express as an Information and Technology Intern.

UNIQ spring residential program, Oxford (UK) Apr - May 2019

- Spend a week at Somerville College, experiencing the life of an undergraduate student by attending lectures about Steganography, Machine Learning, Computer Science and Philosophy thought by current professors.
- Completed programming tasks on Linux using Scala, R, Python, and Elizabeth.

SKILLS AND INTERESTS

Languages: English (Fluent); Bulgarian (Native); Russian (Conversational)

Hobbies: Mountain climbing; KCL Motorsports society; KCL Gym club; KCL Bulgarian Society; KCL Tech, Hackathons