Mattia Di Profio

mattia.diprofio@gmail.com +44 7538148577 LinkedIn GitHub

Education

The University of Aberdeen – Aberdeen, UK – BSc Computing Science (2021-2025)
Relevant Courses - Artificial Intelligence – Data Structures & Algorithms – Databases & Data Management – Operating Systems – Software Engineering – Linear Algebra – Calculus.

Technical skills

Frontend Development – HTML, CSS, Bootstrap, React JS, JavaScript
Backend Development – Node JS, Java Spring, Express JS, MongoDB, MySQL
Other – Python, SQL, C, Git & GitHub, Docker, Maven.

Projects

JetSetGo – Airline Reservation System | Python, MySQL, SQL

- Developed a desktop-based application which lets users book, track and edit airline reservations.
- Equipped with basic user authentication and unit testing for improved robustness and security.

PropertEase – Real Estate Marketplace | NodeJS, Express, MongoDB, Bootstrap, JS, REST API

- Developed a web application where visitors can browse listed properties and manage their viewings through an intuitive dashboard.
- Adopted industry-standard backend-development patterns to achieve a robust authentication/authorization architecture.

ScoreConnect – University Grading Portal | Java Spring, React JS, MySQL, REST API

- Designed a minimalistic grade-tracking portal for academic institution admins to manage student accounts and keep track of a student's performance.
- Incorporated the Model-View-Controller design and testing with Mockito to improve scalability and increase security when handling service layer operations.

Extracurricular

CTC30 Hackathon **September 2023**

- Led team of 7 at Code The City's 30th Hackathon towards developing a product that would encourage tourism around the Union Street area in Aberdeen.
- Gathered project feedback through public survey and implemented a prototype for an interactive route planner which was selected against five other proposals for further development plans.

Lyft Backend Engineering Virtual Experience (The Forage) **July 2023**

- Applied software architecture principles to improve scalability of Lyft's fleet infrastructure.
- Integrated unit testing to assess the quality of the newly engineered architecture.
- Implemented a new feature onto the car models using test-driven development practices.