

ARFAH AADIL

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Cardiff, UK — *Open to relocation*

SUMMARY

MSc Software Engineering graduate with experience in Java, Python, Spring Boot, Docker, Kubernetes, and GCP. Skilled in building scalable backend systems, integrating REST APIs, and implementing CI/CD pipelines. Adaptable, collaborative, and eager to deliver efficient, secure, and impactful software solutions.

EXPERIENCE

Freelance Software Engineer – Altitude Air Conditioners Pvt Ltd, India

Oct 2022 – Jul 2023

- Contributed to the design and development of the company's internal software platform to support HVAC service workflows and client operations.
- Developed backend components using **Java** and **Spring Boot**, integrating with **MySQL** to support scalable and secure data handling.
- Assisted in deploying microservices on GCP, using **Terraform** and **Kubernetes** to manage infrastructure as code and ensure system scalability.
- Participated in code reviews and collaborated with cross-functional teams to improve system architecture.

DevOps and Cloud (GCP) Intern – Capgemini, India

Mar 2022 – May 2022

- Designed and implemented a secure Employee Management System using **Java**, **Spring Boot**, and **MySQL**, improving HR workflow efficiency.
- Containerized the application with **Docker** and **orchestrated deployments on Kubernetes**, ensuring scalability and high availability. Deployed and managed the system on **Google Cloud Platform (GCP)**, reducing downtime and improving system reliability.
- Actively **participated in Agile Scrum events** including sprint planning, stand-ups, and retrospectives, enhancing team productivity and product quality.

Python Developer Intern – DRDO (Aeronautical Development Establishment)

Mar 2021 – Apr 2021

- Developed a Python-based data acquisition system, increasing data accuracy by 35%.
- Processed over 10,000 sensor data points to identify performance trends and system improvements.

EDUCATION

MSc Software Engineering (Merit)

Cardiff University, UK — Dec 2024

B.E. in Electronics & Communication Engineering (Distinction)

CMR Institute of Technology, India — Aug 2022

PROJECTS

Library Resource Management System – Bipsync, Cardiff, UK - Java, Spring Boot, H2 Database - Dissertation project for Cardiff University; built a scalable backend to manage their hardware and software items.

Assessment Tracking System – Java, Bootstrap, GitLab CI/CD - Automated workflow tracking, reducing manual input time by 40%; implemented CI/CD for smooth deployment.

Banking Application – Java, Spring Boot, MySQL - Developed a secure banking application simulating workflows including user authentication, transaction handling, and data privacy.

TECHNICAL SKILLS

Java, Python, C, C#, HTML5, CSS, Typescript, JavaScript, React, Bootstrap, Node.js, Spring Boot, RESTful APIs, Authentication, CRUD Operations, Docker, Kubernetes, GitLab CI/CD, Jenkins, Terraform, Azure DevOps, AWS ECS, GCP, MySQL, PostgreSQL, MariaDB, H2 Database, Unit Testing (JUnit), Manual Testing, Exploratory Testing, Debugging, Secure Coding Practices, Figma, Adobe XD, Wireframing, Prototyping, Git, GitHub, GitLab, IntelliJ IDEA, Eclipse, Jira, Agile, Scrum, OOP

CERTIFICATIONS & PUBLICATIONS

C# Masterclass (Udemy) | **Java Programming** (Udemy) | **SQL** (Udemy) | **IEEE Publication**, ICIRCA 2022