

Abhishek Wadmare

+353 899442946 | abhishek.wadmare@gmail.com | Ireland
abhishekwadmare.github.io/portfolio | linkedin.com/in/abhishek-wadmare | github.com/abhishekwadmare

Summary

Software engineer with an MSc in Computer Science (UCD) and hands-on Python and Java experience building REST APIs, automated CI/CD pipelines (GitHub Actions, Docker, Kubernetes), and cloud-native systems. Strong grounding in Linux/OS internals and root-cause troubleshooting from enterprise development and technical curriculum delivery. Works independently in fast-paced, distributed environments with clear technical communication.

Work Experience

Sept 2024 - Present, BIFE, Lecturer in Computing, Bray, Ireland

- Delivered curriculum on Operating Systems internals, Linux, distributed systems, and AWS cloud architecture across Level 5/6 and Salesforce apprentice cohorts.
- Built and taught a 10-week **AWS Cloud Practitioner** course with hands-on labs on **IAM, EC2, S3, and VPC**; shipped a companion CLF-C02 practice exam portal on GitHub Pages.
- Guided students through SDLC practices, debugging, and Git-based version control, translating complex technical concepts for varied audience backgrounds.

May 2024 - Aug 2024, Advice Bytes, Software Engineer Intern, Dublin, Ireland

- Built a cloud-hosted **RESTful backend API** with a real-time notification service and OAuth 2.0 authentication.
- Wrote integration tests validating end-to-end API flows and containerised the application with Docker for reproducible deployments.

Oct 2021 - July 2023, TCS, Assistant System Engineer, Thane, India

- Developed REST APIs and automated workflows for TCS's Core Finance platform (Accounts Receivable) using Java and Oracle SQL/PLSQL.
- Performed root cause analysis of production performance issues during high-volume month-end cycles, analysing logs and transaction traces while maintaining zero downtime.

Education

2023 - 2024 Master's in Computer Science (GPA 3.58)

University College Dublin

Course Work: Distributed Systems, Cloud Computing, Cyber Security, RDBMS, Data Science

2017 - 2021 Bachelor of Engineering in Computer Engineering (CGPA 8.09/10)

Government College of Engineering and Research, Pune, India

Projects

July 2026 - Present: Agastya - Open Source - Self-Hosted Job Alert Automation System ([GitHub](#) | [Live Link](#))

- Built a **Python** scraper polling companies' Workday JSON APIs, orchestrated via **GitHub Actions** cron and on-demand triggers, automating end-to-end job discovery in place of manual tracking.
- Designed a serverless **Cloudflare Worker** backend with **Google OAuth** token verification and **R2-backed storage**, enforcing admin-only write access server-side for company and sync management.
- Automated the **CI/CD** deployment pipeline (**GitHub Actions**) to GitHub Pages for a React/Vite frontend; root-caused and documented workflow trigger quirks (e.g. Actions' commit loop-prevention) to keep automated delivery reliable.

Jan 2024 - Apr 2024: Course Management System

- Containerised a distributed, event-driven notification service (RabbitMQ) with **Docker** and deployed on **Kubernetes**, decoupling services for fault isolation and horizontal scaling.
- Built an automated integration test suite covering end-to-end API and message-flow scenarios for a **RESTful** backend with **ReactJS** frontend, catching regressions before deployment.

Technical Profile

Languages: Python, Go, Java, C, JavaScript, Bash

DevOps & Cloud: Docker, Kubernetes, GitHub Actions, Jenkins, AWS (CLF-C02), Linux

Backend & APIs: REST APIs, OAuth 2.0, WebSockets, RabbitMQ

Databases & Tools: Oracle SQL/PLSQL, MySQL, MongoDB, Git/GitHub, Postman

AI Tools: Experience in writing skills for Claude Code and Open Code