

ROHIT USHIR

Software Engineer | Java & Cloud

Nottingham, UK | +44 7586 607982 | rohiitushir@gmail.com

LinkedIn: [linkedin.com/in/rohitushir](https://www.linkedin.com/in/rohitushir) | GitHub: github.com/rohitushir | Portfolio: rohitushir.com

CAREER SUMMARY

My software engineering career began in fintech, where working on banking and anti-money-laundering products showed me that code must remain reliable long after it is deployed. During two years at Kiya.ai, I worked across Java and Spring Boot development, REST APIs, databases, automated testing, CI/CD and production troubleshooting. I studied an MSc in Cloud and Enterprise Computing to deepen my knowledge of cloud-native and distributed systems, graduating with Distinction after delivering an industrial project that replaced years of a client's manual Excel workflows with an automated emissions platform deployed on Azure. I actively use AI throughout development to accelerate exploration, testing and debugging while retaining responsibility for validating the final result. I value collaborative teams that combine strong engineering standards with open communication and continuous learning.

HIGHLIGHTED SKILLS

Java | Spring Boot | REST APIs | SQL | Git | JUnit | Mockito | Maven | Docker | Kubernetes | Azure | GitHub Actions | CI/CD | Agile | AI-Assisted Development

PROFESSIONAL EXPERIENCE

Kiya.ai | Associate Consultant - Software Engineering | Jul 2022 - Aug 2024 | Pune, India

- Designed and delivered production REST APIs using Java and Spring Boot for banking and anti-money-laundering products, improving service response time by 20% through endpoint and payload optimisation.
- Optimised SQL queries and database indexes, reducing query execution time by 15% and improving throughput across data-intensive services.
- Automated Maven build and CI/CD workflows, reducing deployment time by 15% and supporting repeatable, well-tested releases.
- Resolved production incidents through log analysis, API debugging and database investigation, owning issues from triage through root-cause identification, remediation and verification.
- Collaborated with QA, product managers and senior engineers through Agile ceremonies, code reviews, unit testing, technical discussions and transparent progress updates.

Tech Stack: Java, Spring Boot, REST APIs, SQL, MySQL, JUnit, Mockito, Maven, Git, CI/CD, Agile

Mercor | Independent AI Evaluator (Contract) | Jan 2026 - Present | Remote

- Audit multi-turn AI responses and tool-using agent trajectories for a leading AI lab against evidence-based rubrics and defined quality standards, diagnosing failures in reasoning, tool selection, grounding, instruction adherence and completeness, and documenting clear evidence for each assessment.
- Refine evaluation rubrics and reference responses to support consistent quality decisions across complex tasks, collaborating asynchronously with a distributed review team across time zones, communicating assessment decisions clearly and adapting to evolving project requirements.

Focus Areas: AI Evaluation, Rubric Design, Reference Responses, Tool-Use Analysis, Quality Assurance, Asynchronous Collaboration

SELECTED PROJECTS

Automated Emissions Calculation System | Industrial MSc Project - Distinction | Apr 2025 - Aug 2025

- Built a cloud-native emissions calculation and reporting platform for an industrial client, replacing years of manual Excel workflows to improve processing consistency, traceability and report generation.
- Designed modular service and storage layers, automated emissions-factor ingestion, Scope 1 and Scope 2 CO2e calculations, audit trails and scheduled factor updates.
- Used AI-assisted development to accelerate architecture exploration, test creation, debugging and security checks while learning unfamiliar cloud technologies; manually reviewed generated changes and validated calculations against independent results.
- Containerised the application with Docker and deployed it to Azure Kubernetes Service through GitHub Actions, providing the client with a working cloud endpoint. Validated APIs and performance using Postman and Locust and incorporated feedback through weekly client and supervisor reviews.

Tech Stack: Python, Django, REST APIs, PostgreSQL, Docker, Azure Kubernetes Service, GitHub Actions, Postman, Locust, Automated Testing | AI Tools: Cursor using Claude and OpenAI models

Ticket Booking Platform | *Dec 2024 - Feb 2025*

- Developed a Java and Spring Boot platform with independently deployable User, Ticket and Booking services to separate business responsibilities and support modular development.
- Designed REST APIs, containerised the services and deployed the application to Azure Kubernetes Service, demonstrating a functioning cloud endpoint and complete booking workflow during assessment.

Tech Stack: Java, Spring Boot, REST APIs, Distributed Services, Maven, Docker, Kubernetes, Azure Kubernetes Service, Git

Distributed Cloud Infrastructure and Load-Balancing System | *Oct 2024 - Jan 2025*

- Built a distributed file-storage simulation to explore secure file distribution, workload balancing and recovery across independently running storage nodes.
- Implemented encrypted file chunking, storage-node allocation, custom scheduling and load-balancing logic, MQTT communication, chunk retrieval and file reconstruction, with a JavaFX management interface for monitoring activity.

Tech Stack: Java, JavaFX, Docker Compose, MQTT, SQLite, MySQL, Encryption, Distributed Storage

iRebinWeWin | Bentley iTwin4Good Developer Programme - Highly Commended | *Jun 2025*

- Collaborated in a three-person team to develop a digital-twin concept that made local recycling information more visible and encouraged stronger community participation across the UK and Ireland.
- Contributed to the Python-based prototype using Bentley iTwin technologies and presented the solution to industry reviewers during the programme finals.

Tech Stack: Python, Bentley iTwin, Digital Twins, Prototyping, Team Collaboration, Technical Presentation

EDUCATION

Nottingham Trent University | MSc Cloud and Enterprise Computing - Distinction

Oct 2024 - Oct 2025 | Nottingham, UK

Savitribai Phule Pune University | Bachelor of Engineering in Computer Engineering - First Class

Aug 2018 - May 2022 | Pune, India

CERTIFICATION

AWS Certified Solutions Architect - Associate (SAA-C03) - In Preparation