

Nischal Dwaral

Software Development Engineer | Bengaluru, India | (+91) 09480980510 | nischal.dwaral@gmail.com |
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PROFILE

Results-driven software developer with 3 years of experience and a master's degree in computer science from the University of Southampton, UK. Recognised for developing robust microservices on cloud platforms, driving continuous delivery of business value in backend development and crafting responsive UI web applications, seamlessly blending backend functionality with an intuitive user experience. Possess expertise across the entire software development life cycle using cutting-edge technologies, including Java, Spring Boot, React JS, and Kubernetes, following agile methodologies and test-driven development.

TECHNICAL SKILLS

- | | | | | |
|--------------|---------------|---------------|----------|----------------|
| • Java | • Spring | • Spring Boot | • JUnit | • Kubernetes |
| • JavaScript | • React JS/TS | • SQL & NoSQL | • NodeJS | • Apache Kafka |

RELEVANT PROFESSIONAL EXPERIENCE

University of Southampton, UK

December 2023 - January 2024

Software Engineer: CRM [Contract role]

- Designed & built dynamic CRM email templates (HTML/CSS/JS) that boosted a 15% surge in inquiries from prospective students, significantly boosting program awareness and enrollment potential.

Absolar Solutions Ltd., Southampton, UK

June 2023 - September 2023

Full Stack Developer [Contract role]

- Led agile development of web-based Geographic Information System application optimising project management workflows; drove requirements gathering, prototyping, architecture and UI design, and development.
- Built REST API backend and React TypeScript frontend, enabling enhanced data visualisation, editing map-based polygons, and reporting to reduce project manager task time from 40 minutes to 3 minutes per task.

Rakuten India Pvt Ltd., Bengaluru, India

January 2020 - August 2022

Software Development Engineer - 1:

- Implemented UI dashboards for cluster metrics tracking, debugging, and request tracing, eliminating a \$500/month subscription cost.
- Spearheaded deployment efficiency by configuring CI/CD pipelines to optimise cloud rollout and streamline various testing processes—unit, integration, and user testing, resulting in a significant increase in code quality.
- Mentored two summer interns, guiding them through code reviews, pair programming, and daily sessions on software best practices. Facilitated the completion of R&D projects and helped both interns secure full-time roles.

Associate Software Developer:

- Developed the core backend using Java and Spring Boot to scale up to handle millions of chat conversations daily by leveraging software design, automated testing, CI/CD, and agile workflows.
- Designed and developed a robust chatbot creation platform, utilising JavaScript and React to serve 70 services.
- Implemented an analytical tool using Java & React JS, resulting in a 30% improvement in clinical data visualisation.
- Received the "Employee of the Month" award for June 2021, showcasing consistent exceptional performances.
- Pioneered bi-weekly progress meetings and presentations for Japanese clients, dramatically improving communication flow and customer satisfaction between global teams across the US and Japan.

EDUCATION

MS in Computer Science - University of Southampton (Russell Group)

Sept 2022- Sept 2023

Grade: Distinction

Southampton, UK

Bachelor of Engineering in Information Science and Engineering - U.V.C.E

Grade: Distinction

Bengaluru, India

ACADEMIC PROJECTS

Master's Dissertation: Java Documentation Comments Coverage- Missing Link in your CI/CD Pipeline

June 2023- September 2023 | [Demo Link](#)

- Developed a Spring Boot and ReactJS platform integrated with Firebase, scanning GitHub Java codebases to analyse and display documentation comments coverage, metrics, and code views, facilitating efficient documentation quality.
- Produced design documentation (architecture, class diagrams, database, UI mock-ups) and received positive feedback from 91 survey participants, endorsing the application's necessity.