

Utkarsh Singh

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Skills

Technologies/Frameworks: Spring Boot, Angular, Microservices, Docker, REST APIs, Android app development

Languages: Java, Typescript, HTML/CSS, C, Python, SQL

Developer Tools: Git, GitHub Actions, Jira, Confluence

CS Fundamentals: Design Patterns, System Design, Object oriented programming, Data Structures & Algorithms

Experience

Amadeus Software Labs India Pvt. Ltd.

Jan, 2024 - Present

Software Development Engineer - 1

Bengaluru, Karnataka, India

- Worked on [Amadeus selling platform connect](#) application, a web-based platform used by **180,000+ travel agencies**, for booking flights (access to **over 400 airline carriers**) and other travel services.
- Involved in development of front-end components using **Angular** and **Java** middle-ware.
- Led the migration of a critical web component from Aria to Angular, improving performance and unifying the code base by removing the migrated **~5%** aria code.

Amadeus Software Labs India Pvt. Ltd.

Feb, 2023 - Dec, 2023

SDE Intern

Bengaluru, Karnataka, India

- Collaborated with a team of four fellow interns to collectively develop a **full stack web application**, which was conceived and implemented as a minimum viable product.
- The idea won in an internal innovation program, and got a **funding of 200 Kilo Euro**.
- Tech stack included front-end in **Angular**, back-end in **Spring Boot** following **microservice architecture**, and setting up an emulated local blockchain environment for making every transaction on the application as immutable.

Projects

Workager

Microservice, Spring Boot, Angular, Docker, GitHub Actions

github.com/utkarshsingh369/workager

- A comprehensive, best-practices-driven mono-repo template, featuring a multi-module Maven setup with Spring Boot for back-end, Angular for front-end, and support for flexible deployment architectures (microservices or monolithic) to kick start future projects with ease

BlogUS Backend

Monolithic, Spring Boot, Spring Data JPA

github.com/utkarshsingh369/blogus

- Developed back-end for a blog application using Spring Boot, integrating REST APIs for JWT-based authentication, global exception handling, and request validations and other utilities.
- Implemented data transfer objects to optimize data transfer, ensuring robust and scalable data handling.
- Enhanced project documentation and accessibility by integrating Swagger for comprehensive API documentation.

WAZE

Native android application, OSMDroid API integration

github.com/utkarshsingh369/waze

- Android Application, which uses Dijkstra's Algorithm, to show the shortest route that one will have to follow to move from one city to another in Maharashtra (currently 26 cities available).
- Uses OSMDroid API to represent the path and cities in a graphical map.

Education

RCOEM Nagpur

Aug, 2019 - July 2023

Bachelor of Engineering in Computer Science

Maharashtra, India

Achievements

- Won Amadeus India annual award in *Travelangelists* category.
- Got appreciation for working on a high priority feature, and hence, was awarded with *Pace Setter* award.