

Ujjawal Tyagi

Back End Developer with experience in Java (Spring Boot).

Bangalore, India
Born 03/07/1997

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TECHNICAL SKILLS

Java | Spring Boot | JavaScript | React.js | Microservices | GraphQL | PostgreSQL | REST APIs | Object Oriented Programming | SQL | Docker | Kubernetes | AWS | Apache Kafka | Redis | SQL | MongoDB | Data Structures and Algorithms | Databases | Distributed Systems | Scrum/Agile .

WORK EXPERIENCE

04/2023 - today

Associate Consultant (Backend Developer)

[Infosys Limited](#), Bangalore, India

Project: Financial and insurance platform by the Fortune 500 company [Northwestern Mutual](#) used by 4M+ clients.

- Working on an agile team handling financial and personal data for millions of customers. Developed GraphQL services to query data .
- Migrated complete service from Java 8 to Java 17 to get higher performance. Integrated Keda with Kubernetes for event-based autoscaling of our application which lead to better availability and performance.
- Designed and Implemented REST APIs, asynchronous services. Set up CI/CD pipeline performing all functional and non-functional checks and providing metrics.
- Built extensive test coverage for all new features which reduced the number of defects by 27%.

Technologies used: Java | Spring Boot | Kubernetes | AWS | REST API | Kibana | Grafana | Postman | JUnit | Dynatrace | Sonarcube| Swagger.

01/2021 – 03/2023

Backend Developer

[Publicis Sapient](#), Gurgram, India

Project: [Wellington Management](#) is a US-based investment bank with over US\$ 1 trillion in assets under its management.

- I work in an agile team of 3 (30 developers work on the project), developing an in-house cloud application called Mosaic using Java 11, Spring Boot and React which is used by 500+ financial analysts to get financial information & make investment decisions.
- Working on one of its sub-applications as a pair programmer, migrating 50+ microservices connecting from an old Postgres database to a new data federation layer in GraphQL. The migration reduces any data discrepancy in the application, thus reducing complexity and increasing the usability.
- Creating Java microservices from scratch sending financial data based on country, continent and analyst name.
- Implementing Typeahead functionality to assist in searching in the Postgres database. Doing unit and integration testing using JUnit with code coverage of 80%.

Tech used: Java | Spring Boot | React.js | AWS | GraphQL | Jenkins | JUnit

01/2020 – 07/2020

Software Development Engineer Intern

[OYO Rooms](#), Gurugram, India

Project: Oyo Rooms is one of India's largest hospitality companies and a direct competitor of AirBnB. It has 1M+ users internationally.

- Worked in a Scrum team of 15+ developers, handling and automating expense calculation and collection from 10k+ hotels in India and Nepal using Java & Spring Boot.
- Designed Debit and Credit REST APIs to develop a virtual wallet feature from scratch in Spring Boot implementing the business logic. This led to a 100% increase in timely repayments of hotel owners.
- I created a dashboard from scratch displaying relevant financial data about hotel owners. Worked as an intermediate between more than 10 teams of developers, business analysts and the DevOps team with on-call tasks for my team to resolve technical issues

Tech used: Java | Spring Boot | Ruby on Rails | Kafka | Kubernetes | AWS | REST APIs | Redis | Postgres | MySQL | MongoDB.

EDUCATION

05/2016 – 07/2020

Bachelor of Engineering, Computer Engineering , CGPA - 8.0/10
Thapar Institute of Engineering and Technology, Patiala, India

ACHIEVEMENTS

Exemplary Leadership Award for Thapar NanoSatellite Program from Thapar Institute of Engineering and Technology

LANGUAGE SKILLS

English (C2) | Hindi (Mother tongue)

HOBBIES

Language Exchange | Competitive Programming