

# Sparsh Duggal

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Bangalore, Karnataka - 560087

## EDUCATION

### JC BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY

Faridabad, India

#### B.TECH IN INFORMATION

#### TECHNOLOGY

2016-2020

### DELHI PUBLIC SCHOOL MARUTI KUNJ

Gurugram, India

## SKILLS

### CONCEPTS

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management Systems
- Design Patterns
- Microservice Architecture
- Agile Methodology and Scrum

### LANGUAGES AND TECH

- Kotlin
- Java
- PostgreSQL
- MongoDB
- Spring Boot
- Hibernate
- Envers/JaVers
- C/C++
- Python
- Kubernetes
- JavaScript/TypeScript

### TOOLS

- Bitbucket
- Jenkins
- Docker
- Kibana
- Metabase
- Elastic Search
- AWS

### INTERESTS

- Reading
- Writing
- Online Gaming
- Music
- Playing Badminton

## WORK EXPERIENCE

### LEAPFINANCE

#### SOFTWARE DEVELOPMENT ENGINEER - I

Kotlin • Java • PostgreSQL • MongoDB • Microservices • Spring Boot • Hibernate • AWS

Bangalore | Jan 2022 - Present

- Working on Edtech Platform to enable user's access to quality education to help them to move abroad.
- Empowered the business team with Bundle Infra, enabling customized products and diverse offerings, leading to increased customer satisfaction and business adaptability.
- Revamped Payment Solution, prioritizing code optimization, resulting in improved performance, functionality, and a seamless user experience.
- Heightened security with SonarQube vulnerability scans, key migration to VAULT, inter-service authentication, and Cybersierra best practices.
- Led the creation of the Mocktest(TestPrep) Microservice, boosting student skills with simulated exams and a 20% revenue surge.
- Engineered the Teacher Slot Booking System (SPOT) with ZOOM integration, streamlining teacher scheduling, enhancing educational accessibility which increased revenue by 15%.
- Launched ScheduleGenie, automating diverse class scheduling, reducing operational dependency from 5 to 1.
- Effortlessly migrated 4 services to Kubernetes, improving scalability, resilience, and resource efficiency.
- Incorporated Third Party Integrations which includes LEADSQAURED, BRANCH, SEGMENT, SLACK to push targeted sales.
- Teamed up with 2 colleagues to shift from a monolithic to microservices architecture, improving system flexibility and efficiency.
- Optimised Legacy Code to bring down Api response time by 30%.

### SAMSUNG RESEARCH INSTITUTE

#### ENGINEER - I

Java • C++ • Kotlin • Git • MySQL • Perforce

Noida | September 2020 - Jan 2022

- Designed and developed reject message implementation for Galaxy watch.
- Resolved around 250 user issues around Call Service Module.
- Refactored legacy code of Call Service to observer pattern.
- OS updates and support throughout the lifecycle of various phones, like the Samsung Galaxy A, M and S series.
- Integration and stabilization of Samsung Call Module.

## INTERNSHIPS

### AUTOMATIC PHONE LOST DETECTION

#### SAMSUNG RESEARCH INSTITUTE

Noida | January 2020 - September 2020

- Developed an application which mined user's smart phone usage data and build an algorithm to predict if the device is lost or not.
- Tech : Pycharm, Machine Learning, Data Manipulation, Data Interpretation, Python.