

# Aishwarya Deep Rastogi

1326 The Alameda, San Jose, CA. 95126 | +1 669 204 9689

[aishwaryaicerastogi@gmail.com](mailto:aishwaryaicerastogi@gmail.com) | [linkedin.com/in/aish07/](https://www.linkedin.com/in/aish07/)

## EDUCATION

---

<b>San Jose State University, San Jose, CA</b>	<b>(2019-2021)</b>
Master of Science – Software Engineering	GPA-3.78
<b>Uttar Pradesh Technological University, India</b>	<b>(2013-2017)</b>
Bachelor of Technology in Computer Science and Engineering	GPA-4.0

## TECHNICAL AND SOFTWARE PROFICIENCY

---

- **Languages:** Java, Python, Go, AspectJ, Javascript, SQL
- **Technologies:** NodeJS, React JS, Vue JS, Apache Kafka, GraphQL, Gradle and GIT
- **Framework:** Django, Spring Boot/Rest, Spring MVC and Spring Security and AOP, Google GUICE, EasyMock
- **ORM/ODM:** Hibernate, Sequelize ORM, Mongoose ODM
- **Cloud/Devops:** GCP, AWS EC2, ECS, ECR, RDS, ELB, EBS, Docker and Container Orchestration with Kubernetes, Git, Jenkins
- **Databases:** Oracle DB, MySQL, MongoDB, DGraph, Redis

## WORK EXPERIENCE

---

**Juniper Networks** – Software Engineering Intern from **June 2020-August 2020**

### Build and Release Migration to Graph Database

**June 2020 – August 2020**

- Developed Python command line tools to automate fetching of information from build systems and storing them in graph databases for effective traversal, thereby eliminating costly join operations as in Relational databases and increasing performance.
- Developed Django microservices and user interface in Vue.js for building interface for Dgraph query framework involving GraphQL queries, containerized all the components while attaching a persistent volume to Dgraph and orchestrated using Kubernetes.

**Tata Consultancy Services** - Assistant System Engineer from **July 2017-June 2019**

**Client-Bank of Montreal**

### OLBB Bank User Sign In Re-Engineering

**April 2019 – June 2019**

- Re-engineered OLBB Bank User Sign In module, conforming to Java RESTful Microservices architecture which was earlier a highly coupled code that was developed in Spring MVC and deployed on IBM WAS 6 and WAS 9.
- Developed the logging framework using Spring AOP for keeping track of user sign in which also helped in debugging.

### OLBB Manage Accounts module

**Feb 2019 - April 2019**

- Developed additional Java RESTful services as per latest client's requirement for OLBB Manage Accounts Microservice catering to account details used by Bank of Montreal employees and also separated cross cutting concerns using AOP framework.
- Developed the frontend in Angular 4 which consumed the backend restful APIs.

### OLBB Portal Decommission-Tax and Bill Pay Module

**June 2018 – December 2018**

- Spearheaded the team of four for the creation of Java RESTful web services for Tax and Bill payment Microservice, later on handled bug fixes during SIT cycle, ensuring smooth migration of code into production .

### OLBB Cheque Imaging

**February 2018 – May 2018**

- Developed pdf files containing both English and French wordings based on location using itext pdf API, fetching data from application session and EJBs and then making the pdf available via a web service which is to be deployed on WAS 6.1 server.

### JUnit testing of ATSS Module-EJB mocking

**September 2017 – January 2018**

- Written test cases for Account transfer module where the actual EJB calls had to be mocked using test data using EasyMock

## ACADEMIC PROJECTS UNDERTAKEN (<https://github.com/nebulazee?tab=repositories> )

---

### MTaaS – Cloud Platform for testing mobile applications

- Developed a mobile testing cloud platform to be available as a Platform as a service which bridges freelance testers and managers to test mobile applications without any physical infrastructure using AWS Device Farm and GennyMotion emulators.

### CartPool Share – Application for minimizing people's movement to Grocery Stores during COVID 19

- Developed and deployed Java Spring Boot, Spring Security and JPA based cart sharing application to effectively bring down people's movement to grocery stores and deployed it on AWS cloud.

### Twitter prototype

- Created distributed Twitter prototype using MERN stack, Kafka & Redis deployed on Amazon EC2 (balancing load using load balancer) with sharded mongoDB Atlas database.

### GrubHub prototype

- Created using MERN stack and Kafka deployed on Amazon EC2 using Amazon RDS and MongoDB Atlas cloud database services.

### Warriors of the Keep

- Created Java RPG style game, developed using Greenfoot making effective use of Design Patterns.

### Starbucks terminal simulation - Developed a terminal simulation of starbucks mobile app with focus on Design Patterns.

- Implemented Design Patterns in Java such as Singleton, Decorator, Strategy, Command, State and Observer.