

# Pranav Khismatrao

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## EDUCATION

### Master of Science, Software Engineering Systems

Northeastern University, Boston, MA

Expected May 2024

### Bachelor of Engineering, Computer Software

Mumbai University, India

Oct 2020

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## TECHNICAL SKILLS

**Programming/Scripting Languages:** Go, Java, Python, JavaScript, Unix Shell, HTML, XML, CSS

**Database:** MySQL, Aerospike, MongoDB, Redis, PostgreSQL

**Frameworks and Technologies:** Spring Boot, Micronaut, Hibernate, RabbitMQ, Node.js, Elasticsearch, REST, Gradle, Maven, Git, Junit, React.js, Servlet, Microservices, Apache Kafka, Linux, Jenkins, Docker, Kubernetes, AWS, CI/CD

**Cloud Native:** AWS, Kubernetes, GCP, Pulumi, Docker

**Certifications:** Oracle Certified Java Associate (OCA)

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## PROFESSIONAL EXPERIENCE

### Tata Consultancy Services, Mumbai, India

Jan 2021 - Jul 2022

Software Developer

- Built secure REST APIs using **Spring boot Framework** that served data to the **React** frontend based on dynamically chosen inputs and handled over 100000 users
- Constructed core Back-end APIs for multiple products and deploying services based on team's internal products
- Deployed **REST**-based microservices to the backend development environment through **Docker** containerization to ensure code integrity and stability
- Implemented Java EE components using **Spring MVC, Spring IOC, and Spring Security** modules
- Proactively managed and optimized cloud computing resources, handling surges in user loads, leading to a 25% improvement in system performance and scalability
- Developed backend components of 2 highly scalable e-commerce web applications by deploying in Spring boot
- Delivered 2 end-to-end projects developed in **JavaScript, Node.JS** with **mongoDB** as back-end database according to client requirements

### Sudesi Infotech, Mumbai, India

Aug 2019 - Dec 2019

Software Developer Intern

- Refactored packages and APIs of **microservices** to honour single responsibility principle and implemented caching for network calls to downstream services, which improved API response time by 50%
- Programmed web-application for business reporting, and systems monitoring using J2EE, Tomcat

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## ACADEMIC PROJECTS

### Assessment Management System

Sep 2023 - Dec 2023

| Spring Boot, Hibernate, PostgreSQL, AWS-EC2, RDS, GCP, MailGun, Debian 12, VPC, Lambda Serverless

- Designed and implemented a robust **multi-AZ** assessment platform featuring authenticated RESTful CRUD APIs, leveraging **Spring-boot, Hibernate** and **java** within a **serverless**, event-driven architecture
- Engineered and automated **AWS** infrastructure components, including **DNS, VPC, RDBMS, NoSQL, Load balancer**, while ensuring observability through IaC best practices using **Pulumi**

### Online Movie Booking System | Go, Hibernate, SQL

Mar 2023 - Apr 2023

- Engineered an Online Movie Booking System utilizing Go and DAO Pattern, enabling efficient SQL database access
- Leveraged Spring Security to fortify endpoints, ensuring robust access control and enforcing appropriate status codes

### NU Chronicles | React, Node.js, JavaScript, MongoDB, Express.js

Nov 2022 - Dec 2022

- Designed front-end interface in React, programmed the back-end logic in Node.js and MongoDB
- Integrated platform with tailwind CSS and Bootstrap for visually appealing and user-friendly Interface