

# Pranav Khismatrao

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## EDUCATION

### Master of Science, Software Engineering Systems

Northeastern University, Boston, MA

Relevant Courses: Object Oriented Design, Web Design, Enterprise Software Design, Cloud Computing

Expected May 2024

GPA: 3.65/4.0

### Bachelor of Engineering, Information Technology

Mumbai University, India

Relevant Courses: Data Structures Algorithms, Database Management, Java Fundamentals

Oct 2020

## 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
- Successfully integrated cloud computing (AWS) implemented CI/CD pipelines for seamless deployment
- Deployed REST-based microservices to the backend development environment through Docker containerization to ensure code integrity and stability
- Proactively managed and optimized cloud computing resources, handling surges in user loads, leading to a 25% improvement in system performance and scalability
- Incorporated Spring Microservices with Spring security to develop 2 responsive websites to view recorded meeting videos
- 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

#### Android Developer

- Assisted in the development of the front end of the mobile application for android using Java and MVVM framework
- Worked with Google Firebase to manage user-inputted data across multiple platforms using web and mobile apps
- Built a customized mobile application for 31+ engineers resulting in 10% increase in overall productivity

## ACADEMIC PROJECTS

### Assessment Management System

| Spring Boot, Hibernate, PostgreSQL, AWS-EC2, RDS, GCP, MailGun

Mar 2023 – Apr 2023

- Designed and deployed a secure cloud-based web app with BCrypt for user authentication and utilized a shell script for streamlined setup, deployment, and execution across various platforms
- Devised scalable application with best practices in coding, testing, documentation, metrics and logging

### Online Movie Booking System | Spring Boot, Hibernate, SQL, Java, Spring Security

Mar 2023 – Apr 2023

- Engineered an Online Movie Booking System utilizing Java, Spring Boot, Hibernate, 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

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, React/Redux, HTML, XML, CSS, JavaScript, Unix Shell

**Web Technologies:** Spring MVC, Spring Boot, Node.js, React.js, HTML, CSS, JSON, Servlet, Microservices, Kafka, Hibernate, RabbitMQ, Node.js, Linux, Jenkins, Git, Docker, Kubernetes, AWS, CI/CD

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