**Pranav Khismatrao**

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Description automatically generated [LinkedIn](https://linkedin.com/in/pranavkhismatrao) | A black and white cat logo

Description automatically generated[GitHub](https://github.com/Pranav014)

**EDUCATION**

**Master of Science, Software Engineering Systems** **Expected May 2024**

Northeastern University, Boston, MA

**Bachelor of Engineering, Computer Software**  **Oct 2020**

Mumbai University, India

**TECHNICAL SKILLS**

**Programming/Scripting Languages:** 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)

**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

**ACADEMIC PROJECTS**

**Assessment Management System Mar 2023 - Apr 2023**

**|** Spring Boot, Hibernate, PostgresSQL, 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|** 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