Pranav Khismatrao

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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, OAuth, JWT, Hibernate, RabbitMQ, Node.js, Elasticsearch, REST, Gradle, Maven, Git, Junit, React.js, Servlet, Microservices, Apache Kafka, Linux, Jenkins, Github Actions, Docker, Kubernetes, AWS, CI/CD

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 improving efficiency and simplifying daily tasks

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, Github Actions, 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 Infrastructure as Code best practices using **Pulumi**

Online Movie Booking System| Java, Spring Boot Hibernate, MySQL   **Mar 2023 - Apr 2023**

- Engineered an Online Movie Booking System utilizing **Java, Spring Boot** and **DAO Pattern**, enabling efficient **MySQL** database access
- Leveraged **Spring Security** implementing **OAuth for Authentication and authorization** 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

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ADDITONAL INFORMATION

Hobbies: Running (Participated in Marathon for Social event in undergrad twice), Reading