

Pranav Khismatrao

📍 Boston, MA | 📞 (857)-693-1743 | ✉️ pranav.khismatrao07@gmail.com | [in LinkedIn](#) | [GitHub](#)

EDUCATION

Master of Science, Software Engineering Systems

Northeastern University, Boston, MA

Expected May 2024

GPA: 3.7

Bachelor of Engineering, Computer Software

Mumbai University, India

Oct 2020

GPA: 3.5

PROFESSIONAL EXPERIENCE

Tata Consultancy Services, Mumbai, India

Jan 2021 - Jul 2022

Software Developer

- Developed secure **REST APIs** using **Spring Boot framework** to serve data to **React** frontend based on dynamically chosen inputs, accommodating over **100,000** users
- Utilized Docker containerization for deploying **Spring Boot-based microservices** to ensure code integrity, and scalability
- Implemented security measures using **Spring Security** framework for authentication and authorization
- Collaborated with offshore teams in an agile-based scrum model to ensure timely delivery of user stories to clients, demonstrating strong communication skills essential for effective collaboration across diverse teams
- Developed backend components of 2 auto-scalable web applications deployed in **AWS-EC2** with **load balancing**
- Successfully delivered 2 projects developed in **Java** with **MongoDB** as the backend database, enhancing efficiency

Sudesi Infotech, Mumbai, India

Aug 2019 - Dec 2019

Android Developer Intern

- Developed Android application frontend screens using Intents and MVVM Model in Android Studio
- Utilized Firebase database for storing and retrieving NoSQL data efficiently
- Integrated RESTful APIs, managed databases (SQLite or Room), and implemented offline data synchronization

TECHNICAL SKILLS

Programming/Scripting Languages: Java, Python, JavaScript, Unix Shell Scripting, C#, HTML, CSS

Technologies: Spring, ASP.NET, OAuth, J2EE, JWT, Hibernate, RabbitMQ, Node.js, Elasticsearch, REST, Gradle, Maven, Git, Junit, React.js, Servlet, Linux, Junit, jQuery, JMeter, AWS, Terraform, Pulumi,

Database: MySQL, Aerospike, MongoDB, Redis, PostgreSQL

ACADEMIC PROJECTS

Assessment Management System

Sep 2023 - Dec 2023

| **Spring Boot, Java, Python, Hibernate, PostgreSQL, IAM, AWS-EC2, DNS, RDS, GCP, VPC, Autoscaling, Load Balancer, CloudWatch, SNS**

- 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 Movie Booking System utilizing **Spring Boot, Hibernate** and **DAO Pattern**, enabling **MySQL** database access
- Leveraged **Spring Security** implementing **OAuth for Authentication and authorization** to fortify endpoints, ensuring robust access control and enforcing appropriate status codes

InsureSync | GO, OAuth2.0, Elastic Search, RabbitMQ, Express.js

Nov 2022 - Dec 2022

- Developed backend project using **GO**, integrating **OAuth 2.0** protocol for authentication and authorization
- Designed endpoints to accept nested JSON input and facilitated token-based **authentication** for subsequent requests
- Integrated **Elasticsearch** for enhanced data indexing and search functionality, and **RabbitMQ** for efficient messaging queue implementation, facilitating seamless data transmission and communication between components

NU Chronicles | GO, OAuth2.0, Elastic Search, RabbitMQ, Express.js

Nov 2022 - Dec 2022

- Designed an intuitive front-end interface using React, ensuring a seamless user experience.
- Developed robust back-end logic utilizing Node.js and MongoDB, facilitating efficient data management and retrieval.
- Integrated Tailwind CSS and Bootstrap frameworks to enhance the visual appeal and usability of the platform