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

PROFESSIONAL EXPERIENCE

Tata Consultancy Services, Mumbai, India   **Jan 2021 - Jul 2022**
Software Developer
- Implemented RESTful APIs using Django Rest Framework for seamless integration with frontend applications and third-party services
- Utilized Python libraries such as NumPy, Pandas, and SciPy for data manipulation, analysis, and visualization in projects involving data science and machine learning
- Automated repetitive tasks and streamlined workflows by writing Python scripts, increasing team productivity and efficiency
- 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 e-commerce web applications deployed in **AWS-EC2** with **load balancing.**
- Successfully delivered two projects developed in **Java** with **MongoDB** as the backend database, enhancing efficiency

Sudesi Infotech, Mumbai, India   **Aug 2019 - Dec 2019**
Software Developer Intern
- Refactored packages and APIs of microservices to adhere to the single responsibility principle and implemented caching mechanisms to optimize network calls, resulting in a **50%** improvement in API response time.
- Developed web applications for business reporting and systems monitoring using **Spring MVC** and **Spring Boot**, deployed on **Apache Tomcat**

TECHNICAL SKILLS

Programming: Swift, Objective-C, Java, Python, Unix Shell Scripting, HTML, CSS
Technologies: Spring, ASP.NET, OAuth, J2EE, JWT, Hibernate, RabbitMQ, Node.js, Elasticsearch, REST, Gradle, Maven, Git, Junit, React.js, Servlet, Apache Kafka, Linux, Junit, jQuery, JMeter
Database: MySQL, Aerospike, MongoDB, Redis, PostgreSQL
Cloud-Native: AWS, GCP, Kubernetes, Docker, Terraform, Pulumi

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ACADEMIC PROJECTS

Assessment Management System   **Sep 2023 - Dec 2023**
| Go, Python, Hibernate, PostgreSQL, IAM, AWS-EC2, DNS, RDS, GCP, VPC, Autoscaling, Load Balancer, CloudWatch
- Architected and developed a resilient multi-Availability Zone (AZ) assessment platform with authenticated RESTful CRUD APIs in Golang, adopting best practices for scalability and reliability
- Automated AWS infrastructure provisioning and management, including DNS, VPC, RDBMS, NoSQL databases, and load balancers, using Infrastructure as Code (IaC) principles with tools like 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

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