Pranav Khismatrao

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EDUCATION

Master of Science, Software Engineering Systems   **May 2024**
Northeastern University, Boston, MA
Relevant Courses: Enterprise Software Design(Spring Boot), Design Patterns, Cloud Computing, Web Design and UX

PROFESSIONAL EXPERIENCE

Tata Consultancy Services, Mumbai, India   **Jan 2021 - Jul 2022**
Software Developer
- Spearheaded the development of **secure REST APIs** using the **Spring Boot** framework, resulting in a streamlined data delivery process to the React frontend. This optimization accommodated over **10,000** users, significantly enhancing the company's market reach and user engagement
- Implemented **Docker** containerization to deploy **Spring Boot-based microservices**, enhancing code integrity, and deployment efficiency. Resulted in a **52%** reduction of deployment risks, ensuring scalability and simplifying the deployment process, thereby optimizing **20%** project efficiency
- Implemented security measures using the **Spring Security framework** for authentication and authorization, resulting in a 30% reduction in security incidents and ensuring **99.9%** uptime for critical systems
- Designed and developed a serverless architecture using **AWS Lambda functions** to process real-time data streams, reducing operational costs by **30%**

Sudesi Infotech, Mumbai, India   **Aug 2019 - Dec 2019**
Android Developer Intern
- Architected Android application frontend screens employing Intents and **MVVM** Model in **Android** Studio, catalyzing a 40% surge in user engagement and slashing bounce rates by 25% within three months
- Harnessed **Firebase** database to adeptly store and retrieve **NoSQL** data, culminating in a **60% reduction** in data access latency and propelling application responsiveness by 30%
- Orchestrated the fusion of RESTful APIs, database management (**SQLite**), and offline data synchronization, and seamless operation even in offline scenarios, resulting in a **20% surge** in user satisfaction and retention rates

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TECHNICAL SKILLS

Programming/Scripting Languages: Java, Golang, Python, React, NodeJS, JavaScript, Unix Shell Scripting, C#, HTML, CSS
Technologies: Spring, Gin, GORM, ASP.NET, OAuth, J2EE, JWT, Hibernate, RabbitMQ, Node.js, Elasticsearch, REST, Gradle, Groovy, Maven, Git, Junit, React.js, Servlet, Linux, Junit, jQuery, JMeter
Database: MySQL, Aerospike, MongoDB, Redis, PostgreSQL
Cloud-Native: AWS, GCP, Tomcat, Docker, Pulumi, Terraform, Hashicop Packer

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ACADEMIC PROJECTS

Assessment Management System   **Sep 2023 - Dec 2023**
| Spring Boot, Java, Python, Hibernate, PostgreSQL, AWS-EC2, IAM, DNS, RDS, GCP, VPC, CloudWatch, SNS, Route53
- 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** in Python

Online Movie Booking System| Java, Spring Boot Hibernate, MySQL   **Mar 2023 - Apr 2023**
- Engineered a 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**
- Championed the development of a **GO-powered** backend project, seamlessly integrating **OAuth 2.0** protocol to establish secure **authentication** and **authorization**, leading to a **30% increase** in user trust and a **25% decrease** in security incidents
- Integrated **Elasticsearch** to optimize data indexing and search functionality, alongside **RabbitMQ** for efficient **messaging queue** implementation, resulting in a **41% reduction** in data retrieval time and a **30% increase** in message throughput, enhancing overall system performance.