

Pranav Khismatrao

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TECHNICAL SKILLS

Programming: Java 11, Golang, Python, React/Redux, Angular, Node.js, JavaScript, HTML/DOM, XML, CSS, AJAX, C#, Unix shell
Frameworks, Libraries, and Tools: Git, Spring Boot, Spring MVC, Gin, GORM, Elasticsearch, Hibernate, RESTful APIs, Maven, Apache Kafka, JUnit, Mockito, JMeter, Selenium, JWT, CloudFormation, OAuth 2.0, RabbitMQ, Jenkins, Redis, Hashicorp Vault
Database Software: PostgreSQL, MongoDB, MySQL, GraphQL, DynamoDB
Cloud-Native: AWS, GCP, Pivotal Cloud Foundry, Tomcat, Kubernetes, Docker, Pulumi, Terraform, Hashicorp Packer

PROFESSIONAL EXPERIENCE

Melo, Boston, MA

May 2024 – Present

Software Engineer

- Designed and deployed cloud infrastructure using **Pulumi** to manage AWS resources **EC2** instances and **RDS** databases, along **with load balancers** achieving a 30% reduction in manual configuration errors.
- Developed and managed **Kubernetes** clusters for hosting **microservices**, ensuring efficient resource utilization of website and utilizing **serverless** for seamless communication between services, resulting in a 25% increase in deployment speed.
- Implemented the fusion of **RESTful APIs**, **SQLite**, offline data synchronization, and seamless operation even in offline scenarios, resulting in a **20% surge** in user satisfaction and retention rates.

Tata Consultancy Services, Mumbai, India

Aug 2020 – Jul 2022

Full-Stack Developer

- Led the development of **10 secure REST APIs** with the **Spring Boot framework**, optimizing the content delivery process to a learning management system designed using React as front-end, achieving more than **5000 users**.
- Implemented **Docker containerization** for microservices deployment, enhancing code integrity and efficiency. This approach reduced deployment risks by **52%** and improved overall project efficiency by **20%**, ensuring scalability.
- Developed and maintained the RESTful API endpoints in Spring Boot with **test driven development (TDD)** of new API endpoints, achieving a 10% improvement in backend response times and a 20% reduction in downtime.

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.
- Developed a system to harness the **Firestore** to store and retrieve NoSQL data adeptly, culminating in a **60% reduction** in access latency and propelling application responsiveness by 30%.

ACADEMIC PROJECTS

Assessment Management System

Sep 2023 – Dec 2023

| **Spring Boot, PostgreSQL, AWS-EC2, IAM, DNS, RDS, GCP, VPC, CloudWatch, SNS, Route53, Linux**

- Designed and implemented a robust **multi-AZ** assessment platform featuring authenticated RESTful CRUD APIs with a robust logging mechanism and event-driven architecture.
- Crafted scalable app with coding standards along with **Lambda serverless** service, testing, documentation, and CI/CD workflow, reducing manual oversight by 30+ minutes per PR with **GitHub Actions** and **HashiCorp Packer**.

Online Movie Booking System | **Java, Spring Boot, Hibernate, MySQL**

Mar 2023 – Apr 2023

- Developed a robust Movie Booking System featuring secure user registration, efficient **ticket booking**, and a comprehensive admin portal for managing the movie database with **100 records**.
- Utilized **token-based Authentication and authorization** to fortify endpoints, ensuring robust access control and enforcing appropriate status codes.

NU Chronicles | **Node.JS, OAuth2.0, Elastic Search, RabbitMQ, Express.js**

Nov 2022 – Dec 2022

- Built a responsive and interactive front end using **React**, resulting in a 50% increase in user engagement, with an additional 10 users due to enhanced UX and performance
- Applied React performance optimization techniques such as **lazy loading**, **code splitting**, and memoization, which resulted in faster load times and more efficient rendering.

EDUCATION

Master of Science, Software Engineering Systems

Northeastern University, Boston, MA

Bachelor of Engineering, Computer Software

Mumbai University, India