**Pranav Khismatrao**

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Description automatically generated [LinkedIn](https://www.linkedin.com/in/pranavkhismatrao/) |A black and white cat logo

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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 (Contract)

* Designedand **deployed** cloudinfrastructure **using Pulumi with Azure** to manage resources such as **Azure Virtual Machines** and **Azure SQL Databases**, alongside **Azure Load Balancers**, achieving a **30%** reduction in manual configuration errors.
* Developed Kubernetes clusters on **Azure Kubernetes Service (AKS)** hosting microservices, ensuring efficient resource utilization, leveraging **Azure** for seamless communication, resulting in a 25% increase in deployment speed.
* **Implemented the integration of ASP.NET Core Web APIs, Entity Framework Core, and SQLite**, enabling offline data synchronization and seamless application operation in offline scenarios, leading to a **20% increase in user satisfaction and retention**..

**Tata Consultancy Services**, Mumbai, India **Aug 2020 – Jul 2022**

Full-Stack Developer

* Led the development of **10 secure REST APIs** using **ASP.NET Core**, optimizing the content delivery process for a learning management system with a **React front-end**, successfully supporting **over 5000 users**.
* Implemented **Docker containerization** for **microservices** deployment, improving code integrity and efficiency. This approach reduced deployment risks by **52%** and enhanced overall project efficiency by **20%**, ensuring scalability.
* Developed and maintained **RESTful API endpoints** in **ASP.NET Core**, following **Test-Driven Development (TDD)** practices, resulting in 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 **Firebase** 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