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 (Contract)
- Designed and **deployed** cloud infrastructure **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