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

evoAI, Boston, MA   **May 2024 – Aug 2024**
Software Developer Intern
- Developed and deployed system-level software components using C++ for cloud infrastructure, automating management of AWS EC2 instances and RDS databases, leading to a 30% reduction in manual configuration errors.
- Optimized multi-threaded applications for Kubernetes clusters hosting microservices, improving resource utilization by 25% and enabling efficient communication between services using serverless architecture.
- Integrated RESTful APIs with SQLite for offline data synchronization, ensuring seamless operation even in offline environments, resulting in a 20% increase in user satisfaction and retention rates.

Tata Consultancy Services, Mumbai, India   **Aug 2020 – Jul 2022**
Full-Stack Developer
- Developed robust, high-performance C++ applications to implement secure APIs, optimizing backend response times and reducing downtime by 20%, serving over 5000 users.
- Employed Docker for microservices containerization, increasing code integrity and scalability, resulting in a 52% reduction in deployment risks and a 20% improvement in project efficiency.
- Used test-driven development (TDD) principles to maintain and enhance backend API endpoints, achieving a 10% improvement in system response times.

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   **May 2024**
Northeastern University, Boston, MA   GPA: 3.6/4.0
Bachelor of Engineering, Computer Software   **May 2020**
Mumbai University, India