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 2019**
Android Developer Intern

- Designed website with rich UI utilizing BootStrap, HTML, Javascript catalyzing a 40% surge in user engagement and slashing bounce rates by 25% within three months.
- Deployed and hosted application using Amazon LightSail store and retrieve data adeptly flowing through the website, culminating in a **60% reduction** in access latency and propelling application responsiveness by 30%.
- 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**
Software 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.
- Integrated **Apache Kafka** for real-time event-driven communication, enabling instant notification to users for expense logging, budget threshold, and report generation, resulting in 60% faster notification delivery.
- Selected the Test Cases to be automated and performed functional testing of the front-end using **Selenium** and created Data-Driven Framework using **JUnit**.

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.
- Leveraged observability tools to automate horizontal scaling and track CPU utilization, which led to a **33% decrease** in infrastructure expenses and downtime.
- 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.

InsureSync | Node.JS, OAuth2.0, Elastic Search, RabbitMQ, Express.js　　　　　　**Nov 2022 – Dec 2022**

- Championed the development of a **Node.JS** backend project, seamlessly integrating **OAuth 2.0** protocol to establish secure **authentication** and **authorization**, leading to a **25% decrease** in security incidents.
- Optimized indexing and search functionality alongside **RabbitMQ** for efficient **messaging queue** implementation, resulting in a **20% reduction** in data retrieval time, enhancing overall system performance.

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