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, Django, Flask, Spring Boot, 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
- Created and maintained **Jenkins pipelines** to automate the **build, test, and deployment** processes for a web application, reducing manual intervention and increasing deployment frequency by **40%**.
- Built **Ansible playbooks** to automatically apply security hardening measures to servers, by configuring **firewalls** and managing user permissions, which improved overall system security.
- 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.
- Integrated relational databases with application code using **ORM** tools like Django ORM, ensuring seamless interaction between the application and the database and improving development efficiency.
- Designed **database views** to simplify complex queries and provide customized data representations for various user roles, enhancing data accessibility and usability for end users.

Tata Consultancy Services, Mumbai, India   **Aug 2020 – Jul 2022**
Software Developer
- Designed and implemented a full-stack e-commerce web application with **Django**, incorporating user authentication, product management, and order processing, resulting in a **40% increase** in user engagement.
- 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 Python framework 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.

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.

NU Chronicles | Angular, OAuth2.0, Elastic Search, RabbitMQ, Express.js   **Nov 2022 – Dec 2022**
- Built a dynamic and responsive user interface using **Angular**, resulting increase in user engagement by 50 users per month through improved UX and performance.
- 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