Praphul Patil

Mobile No. : +91-9589889609
Email : praphulpatil96@gmail.com
Portfolio : praphulp.github.io/praphulpatil

SUMMARY

Seasoned Software Engineer with over 6+ years of expertise in back-end and front-end development. Proficient in driving the complete product development lifecycle, from ideation to successful application launches.

TECHNICAL SKILLS

Languages : Java

Frameworks/Technologies : Spring Boot, Spring JPA, Spring Actuator, Spring Cloud Sleuth, Kafka, Mockito, SonarQube, AWS Route53, LetsEncrypt, gRPC, Nginx

Web Development : HTML, CSS, JavaScript, JQuery, Bootstrap, Tailwind

Databases : Couchbase, Redis, MySQL

Tools: Gradle, Docker, Postman, BloomRPC, GIT, Grafana, Kibana, Kiali, Jira

IDE : IntelliJ, Cloud9, VSCode

EXPERIENCE

Altimetrik India Pvt Ltd, Pune
Nov 2023 – Present

Vyshnavi Information Technologies (VIT Infotech), Pune
July 2018 – Oct 2023

PROJECTS

FLIGHT ORDERING AND TICKETING SERVICE - *(Senior Software Engineer)*

The Flight Ordering and Ticketing Service is a high-performance application designed for booking Aeroline tickets. The system leverages a **microservices** architecture built on the **Spring Boot** framework. It incorporates cutting-edge technologies such as **gRPC** for efficient communication and implements an **Event-Driven Architecture** pattern using **Kafka**. **Couchbase** and **Redis** are utilized as the primary databases, ensuring data reliability and fast access.

Responsibilities :

- Led the architectural restructuring of the application to improve performance. Implemented the **Event-Driven Architecture** pattern, leveraged **Redis** Caches, and conducted optimization of **Couchbase** queries and indexes.
- Proactively worked on improving code quality by addressing **SonarQube** issues, ensuring adherence to coding best practices, and enhancing the overall reliability and maintainability of the system.
- Upgraded micro-services to utilize **Sleuth** log, enabling easier debugging and troubleshooting of issues during development and production stages.
- Implemented **Kafka-Actuator** health checks for event-based services, ensuring the availability and resilience of the event processing pipeline.

- Utilized **Kiali**, **Kibana**, and **Grafana** tools to debug and monitor the performance of the stage and production services, enabling efficient troubleshooting and optimization.
- Collaborated within an **Agile** framework as an individual contributor, actively participating in activities such as story grooming, reviewing stories, and engaging with the business team to ensure alignment with requirements and deliver high-quality solutions.

DOMAIN VERIFICATION SYSTEM - *(Solo Developer)*

The application is a domain database, configuration, and verification system that utilizes AWS APIs for the creation and importation of domain certificates, **Route53** records, as well as functionality to configure a PMTA server for a domain. The system is built on the CodeIgniter framework, which incorporates **PHP**, **MySQL**, **jQuery**, **Bootstrap**, and **HTML**.

Responsibilities :
- Utilized **AWS APIs** including **ACM**, **ELB**, and **Route53** for various tasks.
- Integrated **LetsEncrypt** APIs to facilitate **SSL certificate** issuance.
- Developed and managed multiple **Cron jobs** for automating tasks such as auto-renewing LetsEncrypt and AWS certificates, auto-mounting domain certificates to ELB, and generating reports on expiring and cleanup domains.
- Created a migration script to transfer domains from AWS to LetsEncrypt for SSL certificate management.

OTHER PROJECTS
- Redesigned Company's website using **NextJS** and **Tailwind**.
- Enhanced Leading RPA company's website using **HTML**, **Bootstrap** and **JavaScript**.
- Implemented Client's Payment Plugin for WordPress based website using WooCommerce extension for e-commerce functionality.
- Implemented the Employee Training Certificate functionality in the **Human Resource Management System**, which involved generating PDF certificates.
- Addressed UI changes and resolved issues in the **Laboratory Information Management System**.
- Handled UI fixes in the **Hearing Aid Clinic Management** System.

EDUCATION

Bansal Engineering College, Bhopal -
B. Tech. (Computer Science) - 8.1 CGPA
2014 - 2018