RAJDEEP ACHARYA

Senior Software Engineer

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📍 Bangalore, India

EXPERIENCE

Senior Software Engineer

Nagravision India Pvt. Ltd

📅 July 2021 – Present 📍 Bangalore, India

Project - Business Enabling Interface

Same as below

Senior Software Engineer

Skidata Technologies Bangalore Pvt. Ltd

📅 October 2014 – June 2021 📍 Bangalore, India

Project - Business Enabling Interface

The Business Enabling Interfaces (BEI) provides interfaces and administration to provide integration of SKIDATA Online services (OLS) to customers to implement value added business solutions.

- Authentication - Basic, JWT, OAuth2
- Authorization - Permission (Allow method/action per service). Contract (parking facility rights for customers) Auditing. Usage Metrics (evaluating hits, transactions, orders).

Tech stack used

- Routing - Used Netflix OSS Zuul for upstream/downstream proxy
- Proxy - HA-Proxy (TCP/HTTP Load Balancer/Reverse Proxy), Squid (Caching proxy)
- Increased fault tolerance between web components by implementing Circuit-Breaker Pattern using Hystrix. Introduced multiple Hystrix Circuits to increase fault tolerance and reliability of system with proper fallback mechanism during downtime.
- Load Balancing - used Netflix Ribbon library. Used WeightedResponseTime rule for improving time efficiency.
  - Implemented PingService for Alive check.
  - Implemented LoadBalancerStats for publishing Active-servers, total requests, connection history (first, successive, last)
- Dynamic Property file management - Archiaus
- Health monitor - Implemented RESTFul API similar to Spring Boot actuators to monitor - DB Datasources, Thread pools(active, peak threads, queue size, rejected pool)

Test Automation

- Docker based test containers for deploying .ear/.jar/.war files. Integrating shell scripts with Dockerfile
- Setting up test data using SQL queries, utility fixture. Wildfly properties configuration using Shell Script.
- JUnit Test for backend SOAP/REST API - for API testing. Test coverage to sonarQube - using maven-jacoco-plugin

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Programmer Analyst

Cognizant Technologies Solutions Pvt. Ltd

📅 July 2013 – October 2014 📍 Coimbatore, India

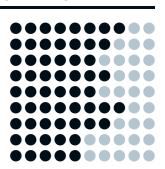**Project - CIGNA (Heathcare)**

- Created scripts using parameterization, Descriptive programming, dynamic web objects.
- Hybrid 4-Tier Automation Framework for executing the VB Scripts
- Used various components of Automation Framework like, Driver, Utility Functions, Business Components, Object Repository, Reporting Utilities and Execution Results.

SOFTSKILLS

PROFESSIONAL SKILLS

Skill	Level
JAVA	●●●●●●●●○○
System Design	●●●●●●●○○○
Data Structures	●●●●●●●○○○
Algorithms	●●●●●●●○○○
Multi-threading	●●●●●○○●○○
SQL	●●●●●●●○○○
Shell Scripting	●●●●●●○○○○
Linux (CentOS)	●●●●○○○○○○
Cloud - Vmware	●●●●○○○○○○

STRENGTHS

- Development
  - Java8 | Object Oriented Design
  - Java EE Business Components
  - EJB3 | JPA2
  - Java EE Resource APIs
  - JAX-WS | JAX-RS | JTA | Lombok

- Frameworks
  - ORM Framework
  - JPA2 | Hibernate
  - Java EE Resource APIs
  - JAX-WS | JAX-RS | JTA | Lombok | Slf4J
  - Docker | PL/SQL | Shell Script | LaTex

- Front-end Development
  - JavaScript | Angular | JSP | HTML/CSS

- Database: PostgreSQL10 | Oracle11g/12c | MySQL
  - Databases IDE: SQL Developer | DBeaver

- Development Tools
  - IDE: IntelliJ | Eclipse | Atom
  - Build Tools: Maven | GitLab | Jenkins
  - Repositories: SVN | Git | Nexus

EDUCATION

B.E. in Computer Science and Engineering

Birla Institute of Technology, Mesra

📅 August 2009 – June 2013 📍 Ranchi, Jharkhand