RAJDEEP ACHARYA

Senior Software Engineer

@ rajdeep777acharya@gmail.com   +91-9663970562   in linkedin.com/in/rajdeep-acharya/   github.com/rajdeep-acharya   Bangalore, India

EXPERIENCE

Senior Software Engineer

Nagravision India Pvt. Ltd

📅 July 2019 – Present   📍 Bangalore, India

Project - Business Enabling Interface

Same as below

Software Engineer

Nagravision India Pvt. Ltd

📅 October 2014 – June 2019   📍 Bangalore, India

Project - Business Enabling Interface

BEI provides interfaces and administration to provide integration of online services 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

Learning Potential   Responsibility   Agile   Scrum   Problem Solving   Team Work   Multi Tasking   Work under pressure

STRENGTHS

- **Development:** Java 8   Object Oriented Design   API   Microservices   JMS   RabbitMQ   REST API   SOAP   SQL   Docker   Shell Script

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- **Frameworks:** JPA   Spring Boot   Spring MVC   EJB   Hibernate   Rest API   SOAP   Swagger   Open Api   JTA   Lombok   Slf4J

- **Front-end:** Java Script   Angular   JSP   HTML   CSS

- **Database:** PostgreSQL   Oracle   MySQL

- **Tools:**
  - IDE: IntelliJ   Eclipse   Atom
  - Build Tools: Maven   GitLab   Jenkins
  - Monitoring: Elastic Search   Logstash   Kibana
  - Repositories: SVN   Git   Nexus
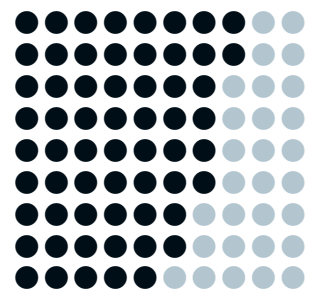 - Tracking: Jira

PROFESSIONAL SKILLS

Skill	Level
JAVA	●●●●●●●●○○
SQL	●●●●●●●●○○
System Design	●●●●●●●○○○
Data Structures	●●●●●●●○○○
Multi-threading	●●●●●●●○○○
Shell Scripting	●●●●●●●○○○
Algorithms	●●●●●●○○○○
Linux	●●●●●●○○○○
AWS	●●●●○○○○○○

EDUCATION

B.E. in Computer Science and Engineering

Birla Institute of Technology, Mesra

📅 August 2009 – June 2013   📍 Ranchi, Jharkhand