RAJDEEP ACHARYA

Lead Software Engineer

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PROFESSIONAL SUMMARY

9+ years of experience in software design, development, integration, maintenance of various client-server web applications.

EXPERIENCE

Lead Software Engineer

Nagravision India Pvt. Ltd

📅 July 2019 – Present   📍 Bangalore, India

- Developed **cloud-based microservices** using **Java 8** and **Spring Boot**.
- Collaborated with technical architects to create **high-level design** and **low-level design** using UML diagrams.
- **Mentored** junior members in the team.
- Implemented **docker** based **containerized integration tests** and **unit tests**. Maintaining the **code coverage** above 65%.
- Actively did **pair-programming** for **code reviews** and technical challenges.

Senior Software Engineer

Nagravision India Pvt. Ltd

📅 October 2014 – June 2019   📍 Bangalore, India

- Designed and implemented web services, domain and database components using **Service-Oriented Architecture**.
- Worked by **Agile Scrum** framework. Responsibilities included interaction with business team in story grooming, estimations, defining acceptance criteria, definition of done.
- **Bug-fix** and tracked issues using **JIRA**, version control in **GitLab**.

Software Engineer

Cognizant Technologies Solutions

📅 July 2013 – October 2014   📍 Coimbatore, India

- Developed, maintained software using **Java 6** and **MySQL**.
- Tracked bugs & defects via HP ALM tool.

PROJECTS

Project 1 - Business Enabling Interface

Nagravision India Pvt. Ltd   📅 September 2019 – Present

- BEI provides interfaces and administration to provide integration of online services to customers to implement value added business solutions.
- Transformed monolithic app to micro services using **Spring Boot** via **12-factor app** methodology **Centralized Configuration & Logging**. Revamped the logging architecture by following **Chain of Responsibility** design pattern.
- Developed **load balancing** module using **Netflix Ribbon**. Used **Weighted Response Time Rule** for improving time efficiency. Implemented analytical data for publishing alive nodes, total requests, connection history etc.
- **Tech used :** Spring Boot, Spring Security, Spring data JPA, REST web-services, Microservice architecture, Docker, Kubernetes, PostgreSQL, RabbitMQ, AWS S3, AWS EC2, AWS EKS, AWS Cloud Watch, AWS IAM

Project 2 - Skidata Sales Platform

Nagravision India Pvt. Ltd   📅 April 2017 – September 2019

- Increased fault tolerance between components by implementing **Circuit-Breaker Pattern** using **Hystrix**. Increased system reliability with proper fallback mechanism during downtime.
- Improved robustness by implementing health monitor RESTFul API using **Spring Boot Actuators** to monitor data-sources, thread pools, active threads, peak threads, rejected threads.
- **Tech used :** RabbitMQ, Spring boot, Spring data JPA, REST web-services, Microservice architecture, Docker, Rancher, PostgreSQL

Project 3 - Skidata Online

Nagravision India Pvt. Ltd   📅 Oct 2014 – Apr 2017

- MAXXO is part of SKIDATA ONLINE cloud solution stack. The MAXXO-Microsite is a highly customizable web application developed for selling tickets online. It comes with a pre-deployed set of ready-to-use microsites.
- **Tech used :** Java/J2EE, EJB 3.0, Oracle, Wildfly, REST and SOAP web-services, Maven

STRENGTHS

- **Development:** Java 8 | Object Oriented Design | API | JMS | Design Patterns | Microservices | RabbitMQ | REST API | SOAP | SQL | Docker | Kubernetes | Shell Script | Unit tests | Integration tests

- **Frameworks:** JPA | Spring Boot | Spring MVC | Slf4J | Spring Batch | Spring JPA | Spring AOP | Hibernate | EJB | Swagger | Open Api | Lombok

- **Tests Frameworks:** JUnit | Mockito | WireMock

- **Database:** PostgreSQL | Oracle | MySQL

- **Cloud:** AWS IAM | AWS EC2 | AWS S3 | AWS EKS | AWS Cloud Watch | AWS Batch

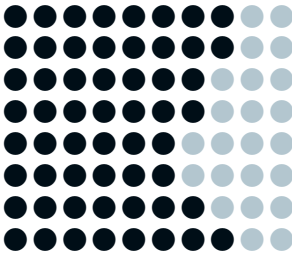- **IDE:** IntelliJ | Eclipse | SQL Developer | Atom
- **Build Tools:** Maven | GitLab | Jenkins
- **Monitoring:** Elastic Search | Logstash | Kibana
- **Repositories:** SVN | Git | Nexus

PROFESSIONAL SKILLS

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

SOFTSKILLS

Problem Solving | Perseverance | Agile | Scrum | Team Work | Multi Tasking | Work under pressure

EDUCATION

B.E. in Computer Science and Engineering

Birla Institute of Technology, Mesra

📅 August 2009 – June 2013   📍 Ranchi, Jharkhand