

# 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

- 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

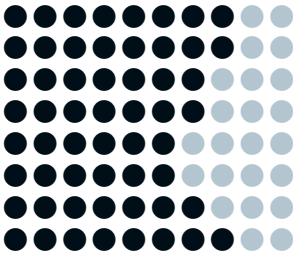
- Build Tools: Maven    GitLab    Jenkins

- Monitoring: Elastic Search    Logstash    Kibana

- Repositories: SVN    Git    Nexus

## PROFESSIONAL SKILLS

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