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

* Developing **cloud-based microservices** using **Java 8** and **Spring Boot**.
* Collaborating with technical architects to create **high-level design** and **low-level design** using UML diagrams.
* **Mentoring** junior members in the team.
* Writing **docker** based **containerizied integration tests** and **unit tests**. Maintaining the **code coverage** above 65%.
* Actively doing **pair-programming** for **code reviews** and technical challenges.

**Senior Software Engineer**

### Nagravision India Pvt. Ltd

October 2014 – June 2019 @ Bangalore, India

## 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. Additional feature is a uniﬁed interface for payment service providers supported by a

sub-component SDPay.

* **Tech used :** Java/J2EE, EJB 3.0, Oracle, Wildﬂy, REST and SOAP web-services, Maven

# STRENGTHS

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**Development:** Java 8 Object Oriented Design API Microservices JMS RabbitMQ REST API SOAP SQL Docker Shell Script AWS Batch AWS EC2

* Designing and coding webservices, domain and database components using

#### service-oriented architecture.

* Working by **Agile Scrum** framework. Responsibilities include interaction with business team in story grooming, estimations, deﬁning acceptance criteria, deﬁnition of done.
* **Bug-ﬁxing** and tracking issues using **JIRA**, version control in **GitLab**.

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#### Tests Frameworks:



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

JUnit

Mockito

WireMock

**Software Engineer**

### Cognizant Technologies Solutions

July 2013 – October 2014 @ Coimbatore, India

#### Database:

* **IDE:**

IntelliJ

Oracle

MySQL

Eclipse SQL Developer

PostgreSQL

Atom

* Developing, maintaining software using Java 6 and MySQL.

Kibana

* **Build Tools:** Maven GitLab Jenkins
* Tracking issues via HP ALM.

# PROJECTS

#### Monitoring:

* **Repositories:**

Elastic Search

Logstash

Nexus

**Project 1 - Business Enabling Interface**

SVN



Git

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 microservices 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 **Netﬁx 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, AWS Batch, AWS EC2, Docker, PostgreSQL

## 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 datasources, thread pools, active threads, peak threads, rejected threads.
* **Tech used :** RabbitMQ, Spring boot, Spring data JPA, REST web-services, Microservice architecture, Docker, Rancher, PostgreSQL

# PROFESSIONAL SKILLS

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| **JAVA** | ○○○○○○○○○○ |
| **SQL** | ○○○○○○○○○○ |
| **System Design** | ○○○○○○○○○○ |
| **Data Structures** | ○○○○○○○○○○ |
| **Algorithms** | ○○○○○○○○○○ |
| **Multi-threading** | ○○○○○○○○○○ |
| **Shell Scripting** | ○○○○○○○○○○ |
| **Linux** | ○○○○○○○○○○ |
| **AWS**  **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