



**RISHI ANAND**  
Software Engineer II

## ABOUT ME

I am an experienced Software Engineer with good skills in Java, RxJava, Spring MVC, Spring Boot, Hibernate, PostgreSQL, MySQL, NoSQL etc. I am always motivated to learn new things and this helps me to boost my knowledge. When I am not working then I may be spending time with friends or listening music or surfing articles on web or travelling on my beautiful bike.

## CONTACT ME

Bren Paddington, Bangalore, India

<https://rishi-anand.github.io>

+91 906655 2096

## MY SKILLS

RxJava (Async Programming)

Java 8

Spring MVC

Spring Boot

Hibernate

MySQL & NoSql

SDLC & Agile Development



## WORK EXPERIENCE

SOFTWARE ENGINEER II

1 May 2018-Current

SOFTWARE ENGINEER

1 June 2016 - 31 April 2018

Cloud Provider Team @ Cisco CloudCenter

I am responsible for designing and implementing cloud workflows for new clouds which Cisco CloudCenter will support and adding functionalities or doing improvements in existing supported cloud workflows.

### Challenges Faced:

- Creating huge number of VMs like more than 1000 in a single request and monitoring status of each VM.
- Sending each VM asynchronously as and when it is in running state to lifecycle for installing respective services.
- Writing generic design architecture and POJOs to fit into all supported cloud models.
- Implementing and adding new features for complex but interesting customer use cases.

**Technologies Learnt:** RxJava 2.0, Java 8, Spring (Boot & MVC), Hibernate, PostgreSQL, MongoDB

Implemented create VMs or other use cases for below Clouds:



## TRAINEE

Backend Team @ CISCO

8 Feb 2016 - 31 May 2016

I have worked on a POC of Using ModeShape as a repository to store Cloud Apps Model in Cisco CloudCenter.

- ModeShape is a hierarchical, transactional, and consistent data store with support for queries, full-text search, events, versioning, references etc.
- Implemented ModeShape as a repository in Cisco CloudCenter to store Cloud App model.
- Written a driver program to migrate all Cloud Apps to ModeShape from Apache Jackrabbit.

**Technologies Learnt:** Java 7, Modeshape, Versioning, Hierarchical Storage

## INTERNSHIP

Backend Team @ CliQr

1 May 2015 - 31 July 2015

- Created apps to view and update cloud application's data stored in Apache Jackrabbit repository. It allows administrator to retrieve metadata of a particular cloud application from a JCR repository in Json format.
- (OPEN SOURCE) Log File Debugger and Analyzer for Development & Operations (DevOps). Developed a Shell Script which collects all logs based on user Input Parameters. Logs can be collected in two Modes: TimeStamp or No. of Lines.
- Created an automated script called AutoStack for installing OpenStack on Multi-Node Cluster and making it ready for production.

**Technologies Learnt:** Java 7, Apache Jackrabbit, Openstack, Shell Scripting



## EDUCATION

### B.TECH IN COMPUTER SCIENCE WITH SPECIALIZATION IN CLOUD COMPUTING AND VIRTUALIZATION TECHNOLOGY IN ACADEMIC COLLABORATION WITH IBM

University of Petroleum & Energy Studies

July 2012 - May 2016



This program demystifies Cloud Computing, and attempts to define the cloud phenomenon and all the technologies that go with it. Cloud Computing is still very much a work in progress at this time and so while the course comprehensively covers the basic technologies involved (e.g. Virtualization), the history of the cloud and its roots in Service Oriented Architecture and Utility Computing, it has ample scope to take in the fast changing models that are thrown out by cloud computing.

#### CERTIFICATIONS:

Cloud Computing & Virtualization Specialist (Verify at <https://www.youracclaim.com/badges/8f4185ee-147b-4330-b14c-284615aeb386>)

EMC Academic Associate (Certification Code: WJWQ6GPSNM4EC81E Verify at <https://www.certmetrics.com/dell/emc/public/verification.aspx>)

### SENIOR SECONDARY EDUCATION

Central Board of Secondary Education

2009 - 2011



## PUBLICATIONS

### RELIABLE COMMUNICATION FOR SUSTAINABLE ENERGY EFFICIENT LOW POWER SMART HOME APPLICATION (SELSA)

IEEE Publications: 22-24 JAN. 2016

INSPEC Accession Number: 16286676

Technology has played a vital role in our living lifestyle. Today Technology is monotonically increasing our comfort level. Using very much efficient Technology that could save energy is what we are looking for. SELSA (Sustainable Energy Efficient Low Power Smart Home Application) is a solution to cut off Energy Wastage and provide users with multiple benefits like Remote Management, Intrusion Detection, Safety Solution and much more.

See Publication: <https://ieeexplore.ieee.org/document/7562738/>

### IOT BASED SMART PARKING SYSTEM

IEEE Publications: 22-24 JAN. 2016

INSPEC Accession Number: 16286703

In recent times the concept of smart cities have gained great popularity. Thanks to the evolution of Internet of things the idea of smart city now seems to be achievable. Consistent efforts are being made in the field of IoT in order to maximize the productivity and reliability of urban infrastructure. Problems such as, traffic congestion, limited car parking facilities and road safety are being addressed by IoT.

See Publication: <https://ieeexplore.ieee.org/document/7562735/>



## HOBBY

