

# Raghav K

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📍 Chennai

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## Profile

Having 8+ years of experience working at startups and companies with competitive environments on various backend technologies and multiple clouds.

## Experience

### Senior Software Engineer

05/2018 – 07/2022 | Chennai

*Optum Insights India Ltd*

- Data Validation Platform (DVP)
  - Designed and architected this application to run both on AWS using Amazon EKS (Kubernetes) and Azure Kubernetes Service (AKS).
- Life Sciences Data Warehouse (LSDW)
  - Migrated the Data Warehouse from on-prem Oracle to AWS using Redshift as the Data Store
  - Designed and executed a Data Delivery System along with notifications using AWS SNS
  - Setup an indigenous Execution pipeline for executing Stored Procedures in Amazon Redshift via AWS Step Functions, SNS and Lambda using S3 as the Data Store for input and output of data which is triggered from internal Jenkins.
  - Setup the entire system in IaC (Terraform) and also setup the CI/CD (Jenkins) from scratch.
- Crimson Medical Referrals (CMR)
  - Migrated the on-prem application to Azure
  - Setup the IaC (Terraform) and complete CI/CD (Jenkins) system from scratch.
- Healthpost - An appointments booking tool for doctors
  - Upgraded from rails 2.3 to rails 4.2
  - Booking Form Refactor to render forms dynamically

### Product Developer

06/2014 – 02/2018 | Chennai

*Freshworks Inc.*

- Freshdesk SDK (built on Java/NodeJS) is a CLI tool that enables Third Party Developers to write their own Apps which can be used to integrate Third Party Applications into Freshdesk.
- Freshdesk Developer Extension - (Chrome Extension) that works conjointly with the Freshdesk SDK to test the developed Apps in local machine for Third Party Developers, available on Chrome Store.
- API Design and Implementation for Freshdesk Marketplace(RoR) - Built a generic (multi product/multi asset) REST API for Freshdesk Marketplace.
- Have used AWS extensively
  - Automated deployments using Chef for Rails and NodeJS applications for Microservices Architecture.
  - Automated Creation/Maintenance of AWS OpsWorks Stacks using Cloudformation.

## Education

**B.Tech Computer Science and Engineering**  
*SASTRA University*

2010 – 2014 | Thanjavur, India

## Skills

Ruby on Rails • Node JS • AWS • Azure • Java • Docker • EmberJS • Kubernetes

## Certificates

### **Cisco Certified Network Associate**

Certification ID :  
CSCO12414283

### **MICROSOFT Technology Associate - Web**

**Development P Fundamentals**

Certification ID : D702-1478

### **IBM Campus Ambassador**

2013-2014

### **Diploma in LAN and WAN Technologies**

RJP Infotek, Chennai

## Projects

**Performance Analysis of Routing Protocols in Wireless Sensor Networks such as AODV, DSDV and DSR when implemented with Random Waypoint Mobility Model - TCL and NS2**

**Symposium Management**