

SACHIN R

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Education

North Carolina State University

Masters in Computer Science

Aug. 2023 – May 2025

NC, United States

R V College of Engineering

Bachelor of Engineering in Computer Science - 8.54/10

Aug. 2016 – July 2020

Bangalore, India

Technical Skills

Java | Spring boot | Golang | Python | MySQL | DynamoDB(NoSQL) | Elasticsearch | Redis | Kubernetes

CircleCI CICD | Microservices | Distributed Systems | AWS | ELK stack | Git | Junit | Sonarqube | React JS

Experience

Cisco Aug 2020 – Present

Software Engineer

Bangalore, India

- * Designed, developed, and maintained 3 Spring Boot-based microservices for the Cisco partner-facing web application, ensuring seamless integration of features.
- * Developed and maintained 15 AWS Serverless lambdas written in Java and Golang which was integrated with Cloudwatch events and API gateways .
- * Developed and maintained 35 REST APIs for the Cisco partner facing web application.
- * Worked on using Serverless Architecture to reduce infrastructure costs by 85%.
- * Improved code maintainability by the usage of common code. Created a common code module for use within our team.
- * Implemented CI/CD pipelines, resulting in a remarkable 90% reduction in release time. Utilized Circle CI orbs to streamline CICD configuration across teams.
- * Employed the Liquibase framework to effectively manage and version database changes.
- * Worked extensively on optimising performance of 5 REST APIs to meet SLA requirement of 1 second.
- * Integrated Sonar static checks for 10 projects. Worked extensively on unit test cases(junit) and on resolving static sonar issues for the same.

Nuage Networks from Nokia

Jan 2020 – June 2020

Software Development Intern

Bangalore, India

- * Built a tool to backup system images with configurable parameters like frequency of backup and image types.
- * Created a Grafana dashboard to monitor CPU and memory usage of testbed instances.

Projects

Analysis and Report Generation of Turbine Data | Qt C++

May 2020 – Aug 2020

- * Developed a cross platform desktop application using Qt framework that provides analytical and processing capabilities for turbine data.
- * Created and verified artifacts of the application for multiple operating systems.

File transfer system in an electronic jacquard machine | Flask

April 2017 – October 2017

- * Worked under the guidance of Dr. K Badari Nath and contributed to his project titled *Software modules for Indian electronic handlooms*.
- * Developed a tool to transfer textile design patterns from a UI interface to an automated handloom system.

Household water resource monitoring and leakage detection | Python, IOT

April 2019 – November 2019

- * Worked on a system to monitor and report various parameters pertinent to household water usage and quality and detect possible leakages in the household water distribution system.
- * Incorporated ThingSpeak IOT platform to analyze and report water quality parameters.

AWARDS AND CERTIFICATIONS

- AWS Certified Developer Associate.
- Received second runner up award in Cisco hackathon event for work on the project titled *Utilizing pod topology spread constraints in Kubernetes*.
- Received official recognition from my team in Cisco for the work on *Migrating to Serverless lambda service to reduce infrastructure costs*.
- Received certification of merit by CBSE board of India for scoring maximum grades in all the subjects in Class 10.