

# Harshit Raghuvanshi

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## Work Experience

### Cisco Systems (India) Pvt. Ltd.

#### Partner Security Architect

June 2023 - November 2024 Bangalore, Karnataka, India

- Maintained security posture of all applications in the portfolio.
- Fixed all critical security issues and developed a pipeline to create Docker images periodically with updated security fixes.

#### SDE II

November 2021 - November 2024 Bangalore, Karnataka, India

- Lead developer and subject matter expert in Rebate Engine tool, and a founding member in NextGen Rebate Engine Platform.
- Developed a multi-threaded workflow to reduce login time by 80%.
- Deployed load-sharing servers to speed up the rebate calculations.
- Collaborated to design the architecture of the NextGen application.
- Built a React app to serve as UI to the NextGen Platform.
- Designed and implemented dynamic Lucene queries to create and read indexes faster and speed up rebate re-calculations by upto 60%.

#### SDE I

August 2020 - October 2021 Bangalore, Karnataka, India

- Created and maintained Spring boot application with RESTful services.
- Developed and implemented a Java-based audit-log framework, and implemented majority of the business logic in the application.
- Integrated OAuth 2.0 flow, access management, database pool-manager, error handling, actuators, and Swagger into the application platform.
- Created and managed CI/CD pipelines using Jenkins.

#### SDE - Intern

January 2020 - June 2020 Bangalore, Karnataka, India

- Developed a POC application by merging different frameworks like Struts, Spring and AngularJS, optimizing, refactoring and cleaning the legacy code.
- Built custom cache management and logging framework.

### Janitri Innovations Pvt. Ltd.

#### Software Engineer and Image Processing Intern

May 2019 - July 2019 Bangalore, Karnataka, India

- Built a custom image processing algorithm using OpenCV to clean the images and process them in batches for optimal throughput.
- Developed Android app using MVVM architecture for the end user.
- Added multi-threading to increase the throughput by upto 8x.

## Education

### Manipal Institute of Technology

#### B.Tech in Computer and Communication Engineering 7.84 CGPA

August 2016 - August 2020 Manipal, Karnataka, India

- Courses: Object Oriented Programming, Data Structures, TCP/IP, OS, Database, Software Design, Parallel Programming, Data Mining

## Achievements

#### ICPC Regionals

- Rank 36 in ICPC Kharagpur region, 2018
- Rank 46 in ICPC Kolkata-Kanpur region, 2018

## Skills

Well versed: Java, Python, C++, React, TypeScript, SQL, Bash, Docker

Familiar: React, Angular, Node, Android

Tools used: Maven, Node, Git, OpenCV, Gradle, Jenkins, Spinnaker, Kubernetes

## Projects

#### Ticker Automating trading algorithms

Apr 2021 - Current

- Built event-driven suite of microservices to fetch, store, and process algorithms on real-time stock market data.
- Optimized for low latency and high throughput.
- Used relational (MySQL) database to store data.
- Microservices built with Spring boot.
- Designed and implemented task executors to manage processing threads.
- Inter-service communication using RESTful API.

#### XDA Developers Open source projects

May 2013 - Feb 2015

- Developed Android operating system based on Android Open Source Project (AOSP).
- Contributed to Open Source projects like CyanogenMod and LineageOS.

## Other positions of Responsibility

#### IECSE Vice-Chairperson

2016-2019

- Lead largest technical club of the university.
- Managed sponsorships and events and mentored working and managing committees.
- Organized Google Developer Group, data structures, and other workshops.

#### TechTatva Event head

- Event heads of multiple technical and non-technical events in college tech fest.

## Other Projects

#### CarSync Jan 2024 - Feb 2024

- Developed Spring boot application to fetch and store used car data from multiple clients.
- Stored data in MongoDB cluster and used React webapp to filter data.

#### Wind Down Jan 2019 - Apr 2019

- Implement basic functionalities of a phone in an Android app.

#### Fitness Tracker Oct 2018 - Nov 2018

- JavaFX and MySQL project to track calories.

#### HandGest Drone Feb 2017

- Created OpenCV app to track and send hand gestures to control drone.