Harshit Raghuvanshi

Software Development Engineer

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Work Experience

Cisco Systems (India) Pvt. Ltd.

Partner Security Architect

📅 June 2023 - Current   📍 Bangalore, Karnataka, India

- Scaled up to take the additional role of PSA, accountable for the security posture of all applications in our team.
- Developed a script to create Docker images periodically with updated libraries, to fix image security across teams.

SDE II

📅 November 2021 - Current   📍 Bangalore, Karnataka, India

- Lead developer and subject matter expert in Rebate Engine tool, and founding member in NextGen Rebate Engine.
- Implemented multi-threading in PPE app to reduce the login time by 80%.
- Set up a new server instance to share load for rebate calculations.
- Collaborated to design solutions for multiple use cases in NextGen.
- Created a React app from scratch to serve as UI for NextGen Platform.

SDE I

📅 August 2020 - October 2021   📍 Bangalore, Karnataka, India

- Created and maintained Spring boot application with RESTful services
- Developed audit log framework, level, geography, and rule framework.
- Implemented OAuth 2.0 flow, user access management, databse pool manager, error handling framework
- 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 on OpenCV to clean the images and process them in batches for optimal throughput.
- Developed Android app using MVVM architecture for the end user.
- Optimized and handled resources to increase throughput by up to 8x.

Education

Manipal Institute of Technology

B.Tech in Computer and Communication Engineering   7.84 CGPA

📅 August 2016 - August 2020   📍 Manipal, Karnataka, India

Technologies

Well versed: Java, Python, C++, Android, SQL
Familiar: TypeScript, Angular, Bash, HTML/CSS
Tech used: Maven, Gradle, Git, OpenCV
Courses: OOP, Data Structures, TCP/IP, OS, DBMS, Software Design, Parallel Programming, Data Mining, Embedded Systems

Projects

Ticker   Automating trading algorithms

📅 Apr 2021 - Current

- Built application suite on microservice architecture.
- System design prototyping and evaluation for robust application and fast development.
- Autonomous homogeneous MySQL databases for backend.
- Microservies based on Spring boot and Python for API layer.
- Implemented custom task executors and thread pools.

XDA Developers   Open source projects

📅 May 2013 - Feb 2015

- Developed Android OS based on Android Open Source Project.
- Contributed to Open Source projects like CyanogenMod and LineageOS.

Achievements

ICPC Regionals

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

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

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

- Hand gesture recognition using OpenCV.