Harshit Raghuvanshi

Software Development Engineer

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Education

Manipal Institute of Technology
B.Tech in Computer and Communication Engineering   7.84 CGPA
📅 August 2016 - August 2020   📍 Manipal, Karnataka, India

Work Experience

Cisco Systems (India) Pvt. Ltd.
Senior Software Engineer
📅 November 2021 - Current   📍 Bangalore, Karnataka, India
- Develop Design Documents and provide technical expertise for business requirements.
- Managing DevOps and deployment cycles for multiple applications.
- Scaled up to become subject master expert on various applications.

Software Engineer
📅 August 2020 - October 2021   📍 Bangalore, Karnataka, India
- Created RESTful Service as a microservice based on Spring boot.
- Enhanced security and performance by implementing OAuth 2.0 and Hikari CP, and redisigning database procedures.
- Developed the complete audit log framework.
- Managed CI/CD pipelines along with load balancer configurations.

Software Engineer Intern
📅 January 2020 - June 2020   📍 Bangalore, Karnataka, India
- Developed a POC merging different frameworks like Struts, Spring and AngularJS, optimizing, refactoring and cleaning the legacy code.
- Developed and integrated custom cache management.

Janitri Innovations Pvt. Ltd.
Software Engineer and Image processing Intern
📅 May 2019 - July 2019   📍 Bangalore, Karnataka, India
- Built complex custom image processing algorithms on OpenCV to clean the images and process in batches for optimal throughput.
- Developed Android app using MVVM architecture for the end user.
- Optimized thread scheduling and resource handling to optimize the processing up to 8x.

Projects

Ticker   Microservice application suite to automate trading
📅 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   Contribution to multiple open source projects
📅 May 2013 - Feb 2015
- Developed Android OS based on Anroid Open Source Project.
- Contributed to Open Source projects like CyanogenMod and LineageOS.

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

Achievements

ICPC Regionals
📅 2018-2019
- Rank 36 in ICPC Kharagpur region.
- Rank 46 in ICPC Kolkata-Kanpur region.

Academic awards
- Top 1 percentile in high school.
- Awarded silver medal in state level maths competition.

Positions of Responsibility

IECSE   Vice-Chairperson
📅 2016-2019
- Lead the largest technical club of the university.
- Managed events and sponsors, and orchestrated working and managing committees.
- Organized various workshops like Google Developer Group and datastructures.

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

Other Projects

Wind Down   📅 Jan 2019 - Apr 2019
- An Android app with all the basic phone features to reduce distraction.
- Integrated third party libraries like Retrofit and Glide.

Fitness Tracker   📅 Oct 2018 - Nov 2018
- A JavaFX project to track fitness habbits stored in MySQL.

HandGest Drone   📅 Feb 2017
- Implemented hand gesture recognition using OpenCV for Pyhon.