Sahil Talwar

Software Developer

Personal Info

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H.No 371, Type 2, Sector 1
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Date of Birth
23-04-1998

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sahiltalwar1998@gmail.com

LinkedIn
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Skills

C++

Data Structures

Java-8

Spring Boot

MySQL

Personal Traits

- Self-Confident
- Fast Learner
- Ability to work hard

Hobbies

- Playing Chess
- Listening Music
- Playing Cricket

A Software Developer focused towards building right-fit solution at the intersection of process, tools & technology to deliver continuous value to the organization and a team-oriented personality who tries best to produce the desired results.

Experience

07/2019 - Present

Associate-Projects (Software Developer)
Cognizant Technology Solutions, Bengaluru

- Developed a real-time API monitoring application using open-source tools like Prometheus and Grafana. This monitoring application reduced the monitoring cost by a factor of 100.
- Instrumented spring-boot services for collection of different metrics as per business requirements and fixed logging along with handling unhandled exceptions.
- Authenticated and Authorized API endpoints for spring-boot services using spring-security and custom token claims.
- Handled various production issues and provided availability reports to leadership.
- Worked with Senior Site Reliability Engineers for auto-deployment of services and to setup auto-healing scripts for servers and to trigger email alerts.

06/2018- 07/2018

Software Development Internship
IIRS(ISRO), Dehradun

- Learnt and implemented image processing and point cloud processing concepts to be used for 3D monitoring of buildings and heritages.

Education

07/2015- 06/2019

B.Tech. in Computer Science and Engineering
NIT Jalandhar, Jalandhar, Punjab
CGPA: 8.39

04/2014- 04/2015

Higher Secondary(10+2)
Shiwalik Model Senior Secondary School, Naya Nangal, Punjab
Percentage: 94.8%

04/2012- 04/2013

Matric
St. Soldier Divine Public School, Naya Nangal, Punjab
CGPA: 10

Projects

- ❖ **Image Processing and Point Cloud Processing software (C++, scikit-learn, QtCreator)**
  - Included edge detection, corner detection, RGB and IHS conversions of images.
  - Added functionality to perform GLCM texture analysis and option to load images from database and save result after operations to desired location.
  - Added translation, rotation and registration operations for Point Cloud Data.
- ❖ **Stock Management System (Java)**
  - This desktop app provided facility to manage various stocks and provide billing services and added user authorization with a login and sign-up page.
  - Provided functionalities to calculate and print bills, provide customer membership and discounts, create username and password, add/view/update stocks, add/view/update employee details.

Additional Activities

- ❖ **Technical Exhibition:** Won the Mega Event *Techscape*, a National Level symposium organized by Innovation club at NIT Jalandhar.
- ❖ **Line-follower Contest:** Designed a line following bot using Arduino.