

AGAMPREET SINGH

SOFTWARE ENGINEER (3.5 Years)

EDUCATION-

B.Tech (CSE) 2014-2018
Guru Nanak Dev University 7.3/10

TECHNICAL SKILLS-

Programming Languages

- Java (Proficient)
- JavaScript (Prior Experience)
- Python (Basic)
- Scala (Basic)
- C/ C++ (Basic)

Development

- JAVA: Springboot, Hibernate, MySQL, REST, Microservices, Maven
- JavaScript: Node.js, Angular, Vue.js, Express.js, Sequelize
- Designing: HTML, CSS, Bootstrap, Photoshop
- Version Control: Git, SVN

Role And Responsibility

- Creating services from scratch
- Implementing new features / POCs
- Maintaining and improving the code base
- Code reviews
- Resolving production issues
- Improving software engineering processes

CONTACT-

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WORK EXPERIENCE-

 **Deutsche Telekom** SDE (Dec 2020-Present)

- Implemented dynamic file resizing for optimization using AWS Lambda, Python (Boto, Moviepy, PIL)
- Implemented backend for a rule based chatbot using a tree-based architecture with JAVA(Springboot).
- Implemented backend for a template based dynamic screen creator for mobile apps.
- Responsible for the backend of an independent generic-file-upload service used internally
- Improved the artifact management by implementing jar-repository management using Nexus
- Improved availability of authentication system by externalizing infinispn cache from keycloak container

 **Blackrock** Analyst: SDE (2020 Feb- Dec 2020)

- Improved serialization time by 10 times (15 seconds to 1.5 secs)
- Various improvements in the firm's Analytics platform using Scala, Spark, Java, Springboot, hibernate, Cassandra, MySQL, and related technologies
- Gained experience with solving production issues

 **Nagarro** Associate (Jun 2018- Jan 2020)

1. Developed solutions for a US based 3rd party ITM compliance system:
 - a) Maintaining the production application
 - Implemented functioning of new type of users corresponding to the reports
 - Scaled the email services from 200 to 1000 mails per day using Google Cloud Platform
 - b) Revamping the application
 - Experience with developing the application from scratch, and contributed to designing the architecture
 - Implemented new features while revamping
2. Developed solutions of a Germany based Airline firm:
 - Upgraded the old code base to integrate with Swagger 2
 - Created and implemented the design for communication between two independent services
 - Designed new type of lounge vouchers adhering to the airline standards

 **Nagarro** SDE Trainee (Jan 2018- Jun 2018)

- Software Development in Java: J2EE with Spring framework (Core, MVC, REST) with SOLID principles
- Achieved proficiency in Hibernate as an ORM, Angular 6, Vue.js

 **Nagarro** Bootcamp Intern (Jun 2017)

- Attained experience in Node.js, Express, React.js and received a PPO for being among the top performers

Exploratory Interests

- JavaScript
- Blender
- Progressive Web Apps
- Game Development
- Graphic Design

MISCELLANEOUS-

Responsibilities

- Technical Head: Computer Engg. Students Society (Technical Community at the University)
- Asst. Head Boy: SSDPS (High School)

Awards/ Achievements

- Google Scholarship: Grow with Google, India (2018)
- Semi-finalist: TCS GamOn 2016. Among top 3% Nationally
- Winner: Code Overnight 2016
- Winner: Geek Night 2016

Hobbies

- Playing Guitar
- Singing
- Astro-physics
- Teaching
- Sketching

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PERSONAL PROJECTS-

VaccinationSlotTracker

bit.ly/easy-vaccination-slot-tracker

- A simple cross platform *Progressive-Web-App (PWA)* built using HTML, CSS, Bootstrap 5, jQuery, JavaScript and hosted on gh-pages, with Google analytics enabled.
- Used by *more than 400 users* with around *5K event hits*.(link: [pdf](#))

Point Of Sales Application

<https://bit.ly/aqam-pos>

- A generic Point-Of-Sales application (general store based), with a Java Backend using Springboot, REST, Hibernate and Frontend using Angular

School Organization System

<https://bit.ly/aqam-lms>

- A simple school management system with Node.js [Backend](#) built using express, sequelize and passport.js.
- Bootstrap 4, Html5, CSS and Vue.js for [Frontend](#) deployed on Heroku

AurumFest

<https://bit.ly/aurum-fest>

- The website for the techno-cultural fest of GNDU in 2017, with an online contest and real-time updates for the fest day.

RedConnect Office Viewer

<https://bit.ly/redconnect-demo>

- A desktop application for a blood donation NGO, to simplify the manual work by automating the blood request management and implementing a CRM for volunteers

ADDITIONAL INTERESTS AND ACTIVITIES-

Technical

- **Flash Classes**
 - *Taught programming* regularly to CSE freshers in the university.
 - Achieved the maximum audience attendance for the session 2016- 2017.
- **Workshops**
 - *Conducted workshops* on Game Development, Web Development, and other technical skills
 - *Arranged workshops* by industry professionals

Management and Co-curricular Activities

- *Organized and Managed the technical and cultural events* in Aurum'17 (The techno-cultural fest of the university in 2017)
- Organized various technical and music events in the University.
- *Designed posters and flyers* for events while in the graphic designing team in the university.
- Regularly organized music sessions being the Head/ Founder of the *music club* in the university.
- Participated actively in the *literary club* in the university; also designed and handled the official *blog* for the same.

Volunteer Work

- Had been an active member of an NGO called *BloodConnect*
- Handled blood *requirement requests*
- Co-organized awareness and blood-donation *camps* for the Amritsar wing