

# 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


### Additional Interests


- JavaScript
- Blender
- Progressive Web Apps
- Game Development

## CONTACT-


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## WORK EXPERIENCE-

	<b>Deutsche Telekom</b>	<b>SDE</b>	<b>(Dec 2020-Present)</b>
<ul style="list-style-type: none"><li>• Implemented dynamic file resizing for optimization using AWS Lambda, Python (Boto, Moviepy, PIL)</li><li>• Implemented backend for a rule based chatbot using a tree-based architecture with JAVA(Springboot).</li><li>• Implemented backend for a template based dynamic screen creator for mobile apps.</li><li>• Responsible for the backend of an independent generic-file-upload service used internally</li><li>• Improved the artifact management by implementing jar-repository management using Nexus</li><li>• Improved availability of authentication system by externalizing infinispn cache from keycloak container</li></ul>			

	<b>Blackrock</b>	<b>Analyst: SDE</b>	<b>(2020 Feb- Dec 2020)</b>
<ul style="list-style-type: none"><li>• Improved serialization time by 10 times (15 seconds to 1.5 secs)</li><li>• Various improvements in the firm's Analytics platform using Scala, Spark, Java, Springboot, hibernate, Cassandra, MySQL, and related technologies</li><li>• Gained experience with solving production issues</li></ul>			

	<b>Nagarro</b>	<b>Associate</b>	<b>(Jun 2018- Jan 2020)</b>
<ol style="list-style-type: none"><li>1. <b>Developed solutions for a US based 3<sup>rd</sup> party ITM compliance system:</b><ol style="list-style-type: none"><li>a) <b>Maintaining the production application</b><ul style="list-style-type: none"><li>• Implemented functioning of new type of users corresponding to the reports</li><li>• Scaled the email services from 200 to 1000 mails per day using Google Cloud Platform</li></ul></li><li>b) <b>Revamping the application</b><ul style="list-style-type: none"><li>• Experience with developing the application from scratch</li></ul></li></ol></li><li>2. <b>Developed solutions of a Germany based Airline firm:</b><ul style="list-style-type: none"><li>• Upgraded the old code base to integrate with Swagger 2</li><li>• Created and implemented the design for communication between two independent services</li><li>• Designed new type of lounge vouchers adhering to the airline standards</li></ul></li></ol>			

	<b>Nagarro</b>	<b>SDE Trainee</b>	<b>(Jan 2018- Jun 2018)</b>
<ul style="list-style-type: none"><li>• Software Development in Java: J2EE with Spring framework (Core, MVC, REST) with SOLID principles</li><li>• Achieved proficiency in Hibernate as an ORM, Angular 6, Vue.js</li></ul>			

	<b>Nagarro</b>	<b>Bootcamp Intern</b>	<b>(Jun 2017)</b>
<ul style="list-style-type: none"><li>• Attained experience in Node.js, Express, React.js and received a PPO for being among the top performers</li></ul>			

## PERSONAL PROJECTS-

### VaccinationSlotTracker

[bit.ly/easy-vaccination-slot-tracker](https://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