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AGAMPREET SINGH
SOFTWARE ENGINEER (3.5 Years)

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 infinispan 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

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*. (stats: *pdf*)

Point Of Sales Application	*https://bit.ly/agam-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/agam-lms*

- A simple school management system with Node.js *Backend* and Vue.js *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

EDUCATION-

B.Tech CSE   *(2014-2018)*
Guru Nanak Dev University

TECHNICAL SKILLS-

Programming Languages

Java, *JavaScript*, *Python*, *Scala*

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, Progressive Web Apps, Unity, Game Development