

# SEHAJPREET SINGH GILL

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## Skills

### JAVA/J2EE TECHNOLOGIES

Java  
REST  
Apache Maven  
JSON  
JDBC

### FRAMEWORKS

Spring  
Spring MVC  
Hibernate  
JPA  
JUnit

### DATABASE

SQL  
MySQL

### PLATFORMS

Linux  
Windows  
MacOS

### OTHERS

JavaScript  
CSS  
HTML  
Perl  
Shell Scripting  
Git  
JIRA  
Google Cloud Platform

## Education

Concordia University, Montreal  
M.Eng. Software Engineering 2020

Sept. 2018 to Apr. 2020

Shaheed Bhagat Singh State Technical Campus  
B.Tech. Computer Science and Engineering 2016

Aug. 2012 to June 2016

## Employment

Concordia University

Faculty Manager at Graduate Student Association

Montreal, Canada

Sept. 2019 to Current

- Act as the primary contact person for GSA's departmental and faculty association executives and members.
- Oversee the application of GSA's Allocation and Funding policies.

Infosys Limited

Systems Engineer

Bangalore, India

July 2016 to July 2018

- Participating in the Software Development Lifecycle (SDLC) – Agile methodology right from requirement analysis, build and testing to the maintenance of proposed applications.
- Web application development using Spring, Hibernate and Spring JPA. Along with Server side application
- Extensive experience in collaborating with project teams and interfacing with clients.
- Perform research and development tasks to design and implement new components.
- Coding, implementing and integrating complex software programs using technologies, troubleshooting and debugging new or existing software programs.
- Perform and manage testing throughout the project lifecycle (Unit Testing, Integration Testing, and Customer Acceptance Testing).
- Implementing the project and resolving the technical issues during the course of project execution.

Infosys Limited

Instep Internship

Mysore, India

Jan. 2016 to June 2016

- I was training in Java, Python, and SQL
- Worked as part of a team to develop a Java Web Application (learning project)
- Scored 87% on programming assignments, and finished Instep program as a 'High Performer'

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## Projects

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### Risky Commit Miner

Feb. 2020 to Mar. 2020

- It is a tool that mines the JIRA repositories at Apache.org and links the bug fix with Github commits.
- This tool finds out the classes that changed as part of a bug fix.
- Developed as part of a research project on Test Case Prioritization.
- The technologies used are Java, REST and Linux scripting.

### Risk Board Game

Sept. 2019 to Dec. 2019

- Collaborated with a team of 5 members to plan, design, and implement a desktop application version of RISK board game using Agile methodology.
- Implemented using coding conventions, Java, Javadoc, and Junit; coordinated using Github and designed using Observer, Builder, Adapter and Strategy Software design patterns.
- Contributed in design and implementation of the program's overall architecture and core algorithms required to correctly carry out game logic, unit testing, code refactoring, Javadoc generation, and user interface.
- Achieved more than 500 overall commits and 98.5% of client satisfaction grading

### Software Design Methodology Project (SOEN6461)

Jan. 2019 to Apr. 2019

- Project Documentation with various Class Diagrams, Sequence Diagram and Use Case Diagrams.
- Experience with all phases of the software development cycle, including design, development, test, deployment, and support of developed solutions
- Thorough knowledge of various Design Patterns (Singleton DP, Factory DP, Abstract Factory DP, Visitor DP)
- Participating in design and code inspections.
- Tools: Java, Design Patterns, Eclipse IDE

### SOFTWARE REQUIREMENT SPECIFICATION PROJECT (SOEN6481)

Sept. 2018 to Dec. 2018

- A Complete Software Requirement Specification Documentation with all the User Requirements(functional and non-functional), User Stories and Test Cases included.
- Developed a Business Process Model, recommended various Client Requirement Gathering Techniques.
- Reviewed test cases and scenarios and met all project data deliverables and deadlines.
- Reviewed various UML Model.
- Tools: UML Diagrams

### CustData, Telstra

Sept. 2017 to July 2018

- This is a user web-application developed using Hibernate and Spring Framework which helps customers manage routing, DNS and usage for their retail/wholesale account.
- Incident and Change Management for ad hoc/planned requests and Client communication.
- Data feed generation from DB repository and enabling the automated SSH/SFTP/Rsync file transfers to different interfaces on a daily basis.
- Automation for application server health and monitoring.

### Web Activation System, Telstra

July 2016 to Sept. 2017

- This is an application that allows the operations team to raise and manage orders on behalf of customers. The tool allocates resources and takes care of all the processes until the service goes live on the router.
- Worked with REST Client and Spring framework for automating Activation process for non-ADSL (BDSL, Ethernet) services of end-users.
- Fibre Optic Ethernet Service Activation/Deactivation/Updating in DBoRs and IOS-XR devices.

## Volunteering

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Concordia University · ISO Volunteer  
Montreal, Canada

Jan. 2019 to Jan. 2019

Volunteered at International Students Office, Concordia University in January 2019.