

# SEHAJPREET SINGH GILL

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## Skills

### JAVA/J2EE TECHNOLOGIES

Java  
Spring Boot  
Spring MVC  
Spring Security  
Spring Data JPA  
Spring Cache  
Hibernate  
JDBC  
JUnit  
REST  
JSON  
Apache Maven

### TOOLS

Docker  
MySQL  
Linux  
Git  
Shell Scripting  
JIRA  
Google Cloud Platform

### OTHERS

JavaScript  
HTML  
CSS  
Perl

## Education

Concordia University  
M.Eng. Software Engineering

Sept. 2018 to Apr. 2020

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

Aug. 2012 to June 2016

## Work Experience

Concordia University  
Faculty Manager at Graduate Student Association

Montreal, Canada  
Sept. 2019 to Current

- Act as the primary contact person between GSA and GSA's associations.
- Oversee the application of GSA's Allocation and Funding policies and allocate funds.

Infosys Limited  
Systems Engineer

Bangalore, India  
July 2016 to July 2018

- Participated in the Software Development Lifecycle (SDLC) – Agile methodology right from requirement analysis, build and testing to the maintenance of proposed applications.
- Developed web APIs using Java, Spring, Hibernate and Spring Data JPA.
- Collaborated with project teams and interfacing with clients.
- Performed research and development tasks to design and implement new components.
- Coded, implemented and integrated complex software programs using technologies, troubleshooting and debugging new or existing software programs.
- Performed testing throughout the project lifecycle (Unit Testing, Integration Testing).
- Resolving the technical issues during the course of project execution.

Infosys Limited  
Instep Internship

Mysore, India  
Jan. 2016 to June 2016

- 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 the program as a 'High Performer'

## Projects

[eCommerce Spring App](#)

Apr. 2020 to Current

- Restful Web Application with common microservices that are used in a typical eCommerce platform.
- Project backend is built with Spring Framework (Spring Web, Spring Data JPA, Spring Cache, Spring Security).
- Docker is used to containerize the microservices and the MySQL database.
- *Technologies used: Java, Spring, Docker, REST, MySQL, Apache Maven, Git*

[Risky Commit Miner](#)

Feb. 2020 to Mar. 2020

- Developed an open-source tool that mines 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.
- *Technologies used: Java, REST, Linux scripting, Git*

[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 multiple 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
- *Technologies used: Java, JavaDocs, Design Patterns, Git*

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## Software Design Methodologies Project (SOEN 6461)

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.
- *Technologies used: Java, Design Patterns, Eclipse*

## Software Requirement Specification Project (SOEN 6481)

Sept. 2018 to Dec. 2018

- Developed 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 used: UML Diagrams*

## Custdata, Telstra

Sept. 2017 to July 2018

- Developed a 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.
- Automation for application server health and monitoring using cronjobs.
- *Technologies used: Java, Spring Data JPA, Hibernate, Linux, JIRA*

## Web Activation System, Telstra

July 2016 to Sept. 2017

- Developed a web 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.
- *Technologies used: Java, Spring MVC, Spring Data JPA, Hibernate, SQL, JIRA*

## Volunteer Work

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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.