

Harsh Agrawal

San Jose, CA, 95113 | 669-268-4619 | harshagrawal007@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

OBJECTIVE:

Actively seeking summer'19 internship for Software Engineer Position

EDUCATION:

- **San Jose State University, San Jose, CA** **Aug 2018 – Present**
Masters of Science in Software Engineering
- **Rajasthan Technical University (India)** **Aug 2013 - July 2017**
Bachelor of Technology, Information Technology

TECHNICAL SKILLS:

- **Programming:** JAVA, J2EE, C, C++, jQuery, JavaScript, Bootstrap, HTML5, CSS3
- **Database:** RDBMS, MySQL, DB2, MongoDB, MLab
- **Technologies/ Framework:** ReactJS, Redux, AWS EC2, Node.js, GitHub, AJAX, JMeter, Kafka, AWS S3, Test Driven Development, Agile - Scrum development, AngularJS, Angular5, Spring, SpringBoot
- **Tools:** WinSCP, Putty, NetBeans, Eclipse, IBM RSA, IBM RAD, SQL Query Analyzer, IBM BLUEMIX, Microsoft Visual Code.

WORK EXPERIENCE:

Cognizant Technology Solutions Pvt. Ltd, India (Full Stack Developer, Program Analyst Trainee) **Feb 2018 – July 2018**

- Developed features of Vendor portal and Customer portal for an e-commerce website.
 - Implemented Slots booking of Training tests for a candidate on Compe10ncy Live Portal.
- Technologies Used** – AngularJS, Spring Boot, Java, Ajax, jQuery, Tomcat, Agile – Scrum Development

DeCurtis Corporation Pvt. Ltd, India (Technical Support Engineer) **Nov 2017 – Feb 2018**

- Managed and monitored running services using DevOps tools (**Kibana, Grafana, Kubernetes**)
- Addressed Client issues and Task Boards on JIRA Tracker.

IBM Lab, SKIT, M&G, India (Summer Intern) **23rd May - 22nd July 2016**

In association with Infosys Campus Connect initiative.

- Designed and Developed Attendance management for HRMS (Human Resource Management System).
- Designed and Developed Branch management, Calendar management, and Staff Management feature for College Admin.
- **Technologies Used** - Java Enterprise Edition (JEE) **Platform** - RAD 7.5, DB2 9.5, WAS 7.0.

PROJECTS:

LinkedIn Prototype: **December 2018**

- Developed end to end application using ReactJS, Redux, Node server and MongoDB (MERN Stack).
- Hosted the project on multiple **AWS EC2** instances and used **AWS S3** for storing user metadata.
- Reduced request drops by Configuring load balancing on AWS.
- Performed version control and source code management on **GitHub**, used **JWT** and **Passport.js** for authentication
- Achieved 1/5th avg. response time by implementing **Kafka** with **Redis** SQL caching, tested using JMeter (100-500) users.

The Walking Dead – Game (Greenfoot Game) **December 2018**

- Developed Java game by implementing Gang of four Design Patterns like Strategy pattern, Factory pattern, Command Pattern, State Pattern, Observer pattern.
- Implemented Greenfoot Classes to perform user activities like random rotation, movement, and shooting.
- Implemented user stories, UML Diagrams, Sprint Task Sheets, GitHub Task Board.

HomeAway Hotel Booking Prototype: **November 2018**

- Developed prototype of HomeAway website using MERN stack
- Implemented Kafka to make the application reliable and avoid server bottleneck.
- Deployed backend frontend on separated AWS EC2 instances thus using distributed system architecture.
- Used **MySQL**, **MongoDB** connection pooling and tested application using JMeter and Mocha.

Starbucks Simulation (Java Application): **October 2018**

- Implemented Gang of Four Design Patterns to perform actions on the command line on Pin, Payment, Main, Menu, and Add Card Screens.

College Notice Mobile App: **March 2017**

- Developed a hybrid mobile app which delivers notice drawn by the institution, provided a login to all members
- Added comment facility for faculties with a feature of setting the visibility of notice.
- **Technologies Used** - Ionic v.1.0, AngularJS, IBM MobileFirst 8.0, Cordova and MySql.