Harsh Agrawal

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EDUCATION:

- **San Jose State University, San Jose, CA**   **(Aug 2018 – Present)**
  MS 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, Spring
- **Database:** RDBMS, DB2, MongoDB, MLab
- **Technologies/ Framework:** ReactJS, Redux, AWS EC2, Node.js, GitHub, AJAX, JMeter, Kafka, AWS S3, Test Driven Development, Agile - Scrum development
- **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 candidate on Compe10ncy Live Portal.
  Technologies Used – AngularJS, Spring Boot, Ajax, Tomcat, Agile – Scrum Development

Decurtis Corporation Pvt. Ltd, India (Technical Support Engineer)   **(Nov 2017 – Feb 2018)**
- Managed running services using DevOps tools (**Kibana, Grafana, Kubernetes**)
- Handled Client issues reported on JIRA Tracker.

IBM Lab, SKIT, M&G, India (Summer Intern)   **(23rd May - 22nd July 2016)**
In association with Infosys Campus Connect initiative.
- Developed feature to fetch attendance data from file and store it to DB and display on webpage for HRMS (Human Resource Management System).
- Designed and developed branch management feature and calendar management feature for College Admin.
- Developed webpages to display faculties according to post for College Admin.
- **Technologies Used** - Java enterprise Edition (JEE) **Platform** - RAD 7.5, DB2 9.5, WAS 7.0.

PROJECTS:

LinkedIn Simulation: **(December 2018)**
- Developed end to end application using ReactJS, Redux based state storage and Node server for backend.
- Hosted the project on multiple AWS EC2 instances and configured load balancing.
- Used Redis SQL caching mechanism, AWS S3 for storing user metadata.
- Used GIT for version control and source repository, JWT and Passport JS for authentication
- Performed JMeter testing for 100 to 500 users.
- Created analysis report for user and recruiter using React charts.

HomeAway Simulation: **(November 2018)**
- Created schema on MongoDB based on requirement for simulation.
- Made the application reliable and scalable using Kafka and Database Connection Pooling
- Deployed backend frontend on separated AWS EC2 instances thus using distributed system architecture.
- Performed JMeter and Mocha testing.

Starbucks Simulation (Java Application):   **(October 2018)**
- Used Gang of Four Design Patterns in code to Add Pin Screen, Payment Screen, Main Screen, Menu Screen, Add Card features.

The Walking Dead – Game (Greenfoot Game)   **(December 2018)**
- Used Gang four Design Patterns in code and Greenfoot classes to implement single player shooting game.

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

EXTRA CURRICULAR:

- Instructor of Software development Programme (C, C++, Java), SKIT, M&G.   **(2014-2017)**
- **National Workshop on Web Application Development** using **Springs** Framework in association with Infosys at Swami Keshvanand Institute of Technology held on 28th and 29th October, 2015.
- **Software Development course** by **TECHINOVA CLUB** held in SKIT M&G, Jaipur during Sept '13 - Dec '13.
- **Python Training** from Spoken tutorials project, IIT Bombay.