

Harshit Gulati

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A proficient web developer experienced in developing customer facing web applications and responsive user interfaces. Enjoy leveraging new technologies and working in fast paced development environments.

EDUCATION

University of Southern California (Los Angeles, CA)

Master of Science in Computer Science (August 2014 – December 2015)

- GPA-3.76/4

Guru Gobind Singh Indraprastha University (New Delhi, India)

Bachelor of Technology (August 2008 – June 2012)

- GPA-3.8/4

Relevant Coursework: Web Technologies, User Experience Design, Information Retrieval and Web Search Engines, Database Systems, Algorithms, Artificial Intelligence, Natural Language Processing.

WORK EXPERIENCE

Visa Inc. (Foster City, California)

Senior Software Engineer (January 2016 - Present)

Network Risk Portal

- Developed an application that gives a risk score to all the network devices used in Visa.
- This application is helpful for the people making changes to the network devices. Using this application, the user can know about the important things that he should know before making any changes.
 - **Stack:** HTML, CSS, Javascript, AngularJS, NodeJs, Python, Java, R, Cassandra

Change Review

- Developed an application that gives a risk score to the Change requests that are taking place in next 1 week.
- A risk score is given to a Change Request by analyzing all the parameters of the change and changes related to it that took place in last 3 years.
 - **Stack:** HTML, CSS, Javascript, AngularJS, NodeJs, Python, Java, R, Cassandra

Network Impact Portal

- Developed a portal that tells all the applications that are using a particular network device.
- This application is useful when a user wants to know the impact the network device can cause if it goes down.
 - **Stack:** HTML, CSS, Javascript, JQuery, NodeJs, Python, Mysql

Visa Inc. (Foster City, California)

Web Developer Intern (May 2015 - August 2015)

AutomationMonitor

- Developed an application that is used to monitor all the automations that are currently running on a particular server.
- It generates efficiency graphs for all the automations and helps the admin to verify if the particular automation is required or not.
- User could also enroll any new automation by just uploading the script to the application and mentioning the server, path and the time.
 - **Stack:** HTML, CSS, Javascript, AngularJS, NodeJs

ServerMonitor

- Developed an application that tells the disk, memory and CPU utilization for any server mentioned by the user.
- This application helps the user in monitoring the health of the server, during and after the deployment.
- User can also set alerts by just mentioning the threshold, server to monitor and email id.
 - **Stack:** HTML, CSS, Javascript, AngularJS, NodeJs, Splunk

Infosys Limited (Hyderabad, India)

System Engineer (August 2012 - July 2014)

- Solved the problem of monitoring large number of servers that were used for processing the transactions.
- I developed an application that keeps track of all the important parameters of the servers and the transactions that were getting processed each second. The application also alerts the technical contact if the predefined parameters crosses the threshold.
 - **Stack:** HTML, CSS Javascript, JQuery, Java

TECHNICAL SKILLS

Web Development Skills:

HTML5, CSS3, AJAX, JQuery, Javascript, PHP, DOM, Node.js, AngularJS, ExpressJs

Tools:

Browserify, Gulp, Grunt, Bower.

Databases:

Mysql, MSSQL, MongoDB, Cassandra

Programming Languages :

Java, Python

Servers and API's :

Apache, Tomcat, LAMP framework, Android, Facebook, Twitter Bootstrap, Splunk SDK

Version Control, Software Tools and Operating Systems :

GIT, JIRA, Eclipse, Firebug, WebStorm, Sublime Text, Windows, Unix, Mac OS

PROJECTS

Property search using Zillow, Bootstrap, JQuery and Facebook Mashup

- Developed a responsive website to search for real estate and was hosted on AWS.
- Zillow API was used to fetch property information and Facebook API to post property information on user's Facebook profile

Reversi/Othello - Next Move Predictor (Java Application)

- Starting with a board position, this program builds a search tree of all the possible board positions that can be played between a player and the opponent and suggests the best possible move based on heuristics.
- Visual Search and Interaction with Polar Datasets

Inference Engine

- Developed a Java application that implements backward-chaining algorithm and determine whether a given query can be inferred from the information given in the knowledge base.

Search Engine Dashboard

- Created an integrated web analytics dashboard using AngularJS to interact and visualize the polar data indexed in Apache Solr.