Hiten Gupta

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Professional Profile:

- Proficient in engineering web applications (designing database, API's and Front-end) and in using Git, Trello, Microsoft Azure platform.
- Hands-on experience in DevOps concepts, CI/CD, containers, network interfaces, microservices integration, fault detection and recovery, managing releases, cloud deployment, data stream analytics.
- Experience in architecting, designing and implementing applications based on MVC(Java), Node.js, NoSQL databases and consuming 3rd party API's.

Education:

M.S. Software Engineering (GPA 3.6/4) May 2020
Rochester Institute of Technology, NY

Technical Skills:

Programming Languages: JavaScript, Java, Python, C#
Web Technologies: Node.js, jQuery, JSON, RESTful APIs, HTML5/CSS3
Frameworks: ReactJS, AngularJS, Vue.js, D3.js, Flask, Mocha, Chai, Selenium, CoreUI
Databases: MySQL, SQLite, MongoDB
DevOps: Git, Jenkins, Travis CI, Ansible, Docker, Kubernetes
Operating System: Linux (RHEL 6,7 and SLES), Unix, Windows

Experience:

Software Developer Intern - IBM, San Jose CA September 2018 - July 2019
IBM Hybrid Cloud – Watson Knowledge Catalog

- Designed and implemented end to end framework for Real Time Sanity Validation and performance testing using Jenkins, Groovy, Docker, Shell, Node.js, Java, Kubernetes deployed on bare metal servers.
- The framework reduced the daily execution time from 16 hours to 4 hours of ~16 teams globally.
- The automation framework consumed and executed Perf and Sanity tests independent of the specific configuration of the tests.
- Analyzed helm charts for deployment and Sanity Validation of WKC releases through year 2019.
- Enhanced IBM Infosphere Big Match web application for Hadoop by allowing gamma and normalized variance for customer data generation.
- Developed network utility for IBM Information Server on RHEL 6,7 and SLES for on-premises installation.
- Constructed API's for a MEAN stack web-app to monitor Continuous Integration and real time build results of IBM WKC, served with Nginx and deployed as a docker image on a dedicated RHEL 7 server for REAL TIME update on the CI/CD status.

Graduate Research Assistant - RIT, Rochester NY August 2017 - May 2018

- Designed and developed performance analysis algorithm for the performance of a self-adaptive system based on response time of the incoming requests for Unmanned Aerial Vehicle (UAV's).

Projects:

GoCamping: Building and consuming RESTful APIs using NodeJS with authentication and authorization

- Full Stack Node.js application using *RESTful routing* and mongo DB for selecting and reviewing camping locations. The application supports the CRUD functionalities and user auth (using *passportJS and expressJS*).

Global Jenkins Shared Library

- Developed a global Jenkins library in Groovy to enhance the Jenkins-Slack plugin using webhooks and allow the user to construct personalized slack messaged for Jenkins.

Achievements and Accomplishments:

- Co-Authored research paper (*Detecting Performance Regression using Evolutionary Algorithms)* in SSBSE '19.
- Manager's Choice Award, IBM San Jose
- Docker Mastery certificate course