Meghna Tulasi

SOFTWARE ENGINEER · FULL STACK WEB DEVELOPER · JAVA ENTHUSIAST

AVAILABLE: May 2019

(817)-271-9775 | tulasi.me@husky.neu.edu | www.meghnatulasi.com | LinkedIn: meghna-tulasi | GitHub: meghna-tulasi

Work Experience

Dell EMC *Hopkinton, MA*

SOFTWARE ENGINEERING CO-OP *Jun. 2018 – Dec. 2018*

- Worked in an Agile team responsible for developing holistic IaaS web solution for end users to consume infrastructure, lab operations, asset management & product deployment
- Developed end to end services to facilitate OS deployment & provisioning, OS decommissioning using Java Spring restful web services
- Provided support to backend services for authorization and authentication models & utilized Swagger to design and test APIs
- Integrated engineering service management ServiceNow model and internal ticketing application
- Developed customized discovery tool for asset management and orchestration based on Redfish APIs using Go, Docker & Postman
- Developed front end for OS deployment, decommissioning and OS deployment job status using AngularJS/Angular 7, TypeScript, NodeJs, Koa, Webpack, SCSS
- Responsible for setting up SonarQube from scratch for overall code quality and maintainability of the project
- Developed and optimized run time for pipeline build for weekly SonarQube analysis and test runs on Jenkins and worked extensively with Pivotal Cloud Foundry to deliver updates on application after every sprint and delivered 0.2 release branch prototype

Gujarat State Electricity Board *Gujarat, India*

SOFTWARE ENGINEERING INTERN *Jun. 2015 – Jun. 2016*

- Led a team of three to develop a collaborated Web (C#.NET with Bootstrap front-end framework) and Android application to provide smart solution for tasks (new connection, bill generation, online-payment & e-wallet and consumption calculator)
- Implemented a module that enables user to track registered electricity complaints just like Amazon package tracking facility and the lineman to resolve complaints pertaining to a sub-division in a map format

Education

Northeastern University *Boston, MA*

MASTERS IN ENGINEERING MANAGEMENT *Sep. 2017 – May 2019*

- Business Analysis & Information Engineering, Project Management, Economic Decision Making, Operations Research

Northeastern University *Boston, MA*

MASTERS IN COMPUTER AND INFORMATION SCIENCE *Sep. 2016 - Sep. 2017*

- Software Development, Algorithms, Web Development, Information Retrieval, Program Design Paradigm

Gujarat technological University *Gujarat, India*

BACHELORS IN COMPUTER ENGINEERING *May 2016*

- Software Engineering, Algorithms, Service Oriented Computing, Operating Systems, Object Oriented Design, Database Systems, Distributed Systems, Parallel Processing, Information Security, Web Application Development

Skills

Languages: Java, Python, R, C/C++, SQL, C#, Racket, Go
Frontend Web Design: JavaScript (also ES6), TypeScript, JQuery, Angular.js, Angular React.js, HTML5, CSS3, SCSS, Bootstrap
Backend Web Technologies: SOAP and REST API, Node.js, Express, Koa, Django, MongoDB
Tools/Framework: ASP.NET, Tableau, SAS, Hadoop, HeidiSQL, Jenkins, AWS, PCF, Heroku, Jenkins, Heroku, Docker, Swagger
Project Management/VC: Git, GitHub, BitBucket, JIRA, Confluence, SonarQube, Microsoft Azure

Technical Projects

Good Reads Prototype (*Node.js, AngularJS, JavaScript, HTML, CSS, Bootstrap, Heroku)*

- Developed a responsive framework catering to book lovers using Google Books API. Integrated user authorization via Facebook and Google and deployed using Heroku

Candidate Suggestion Tool *(Java(Spring), Maven, JIRA, Confluence, AWS)*

- Developed with agile development methodology and queried on DBLP data to form suitable committee for conferences using data hosted as EC2 instance. Also, implemented Structural (MCDC, LCSAJ) and Functional Testing and integrated using Jenkins/Cucumber

Extra Projects

Sudoku, implemented in Java by using data structure to store hints to fill each cell in the grid

Text-Based Search Engine, used crawled information to build a search engine in Python based on the retrieval models like BM25 and TFIDF. Improved the search accuracy by adding the page rank algorithm including the context matching

Shopping Cart, implemented in JavaScript to demonstrate various functionalities of shopping cart for an e-commerce website