Manasa Moodalagiri

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PROFESSIONAL EXPERIENCE

Demand Boost, San Jose, CA, USA   Sept 2017- Present
Full Stack Software Developer
- Developed a centralized dashboard for clients to display their website visits, website leads, appointments, and calls received using Angular 5, Node.JS, and MYSQL. Extracted data from google analytics reporting API to display on Google charts embedded in the dashboard. Also working on SEO, XSS attacks and SQL Injection.
- Developed libraries and frameworks for code reusability, resulting in reduction of development time by 30%.
- Refactored the existing code base by rewriting the algorithms, resulting in decreased complexity of time and increase in application's performance and response time by 50%.
- Designed a scalable and robust architecture for a Content Management System.

Juniper Networks, San Jose, CA, USA   Jun 2016 - Aug 2016
Web UI Intern
- Migrated Network director dashboard from D3.js to Highcharts.js, resulting in increased response time by 30%.
- Developed a complex algorithm which runs in linear time in JavaScript for Highcharts to obtain equal sized tiles and satisfy UI requirements. Also, designed responsive tool tip and breadcrumbs using CSS3 and JavaScript.
- Received appreciation for integrating the code with existing code base and deploying it to production environment. This story was in the backlog for 2 quarters.

Cognizant, Bangalore, KA, IND   Jun 2015 - May 2015
Software Engineer
- Developed a dashboard in Pentaho to display client account information and generated reports using JavaScript, Fusion charts, and PostGRESQL, resulting in efficient decision making for the finance team.
- Increased the efficiency of queries by 40% by refactoring them and removing complex joins.

Data Weave, Bangalore, KA, IND   Jan 2014 - Jun 2014
Software Engineering Intern
- Developed a web application using Python, HTML5, CSS3, JavaScript, Twilio that raises an alert to emphasize on quick changing data points of E-Commerce websites, App Stores, and Educational Institutes.

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, PHP.
Frameworks and Technologies: Angular 1, Angular 5, Node.js, D3.js, Highcharts, Django, jQuery, HTML 5, CSS3, AWS, Git.
Databases: MySQL, PostgreSQL, MongoDB.

EDUCATION

Master of Science, Software Engineering, **San Jose State University, San Jose, CA**   May 2017
Bachelor of Science, Computer Science, **JSSATE, Bangalore, Karnataka, India**   May 2014

PROJECTS

Dairy Analytics dashboard [Python, Django, Angular 1, HTML5, CSS3, Bootstrap]
- Developed an intuitive dashboard with CRUD operations for a dairy analytics application. Developed backend REST APIs using Python (Django framework).

iFall – A fall detection system [OpenCV, Python, Twilio, Node.JS, Angular 1, Highcharts, Bootstrap]
- Developed an application which takes real-time video feed as input and triggers an alert to subscribed users when an accidental fall of a subject is detected.

UBER prototype [Node.JS, Angular 1, MySQL, MongoDB, Redis, Mocha, D3.js, HTML5, CSS3, Bootstrap]
- Developed a taxi-booking application like UBER with rider and driver features integrated in a single build.

FlixTrix [Java, R, jQuery, HTML5, CSS3, Bootstrap, Microsoft emotion API]
- Developed a movie recommendation system based on user emotions using R and Java.

Social Networking Prototype [Node.JS, Java, Express, Angular.js, MySQL, jQuery, REST, HTML5, CSS3, Bootstrap]
- Designed and developed a fully functional social networking prototype like facebook.

Bay Predict [PHP, Morris.js, AWS]
- Developed a scalable mobile sensor cloud application for marine life prediction system, and deployed on AWS.