Vigneshwar Meyyur Gopinath

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About me

- Hacker, Web Developer who loves building and debug problem.
- 3 Years of Experience in Web Development, Software Development, Performance tuning on large scale Databases, Automation and Quality Assurance

Education:

B.E in Computer Science	Aug 06 – May 10
Anna University, India	GPA:3.5
MS in Software Engineering	Aug 12 – May 14
San Jose State University,CA, USA	GPA: 3.4

Technical Proficiency

Languages	: C, Python, Java, JavaScript, COBOL, Rexx, JCL, Visual Basics, PHP
Web Frameworks	: HTML5, CSS3, Bottle, AngularJS
Database	: MySQL, DB2, MongoDB
Cloud Services	: AWS, vSphere, Salesforce.com, Windows Azure
Testing Tools	: Trace master, Iperf, Chariot, Wireshark, Firebug, Selenium
Networking	: TCP/IP, UDP, 802.11n/ac
Mobile Platforms	: Android

Experience

Automation and Quality Intern   Jun 13 – May 14

Broadcom Corporation , Sunnyvale, California

- Developed an automated process that collected test status and logs.
- Built a dashboard to monitor test health across platform and allows users to generates reports.
- Prepared test plan, test cases and automated the process using Python & UNIX.
- Executed WLAN testing such as Throughput performance
- Analyzed test logs to find protocol related issues in products
- Responsible for the lab management and building up new test bed.

Programmer Analyst   Jan 11 – Jul 12

Cognizant Technology Solutions, Chennai, India

- Engaged in all phases of the software development lifecycle like requirement gathering, preparing business requirements document (BRD), preparing technical design and functional specification
- Developed and maintained complete system for banking operations to cater daily transactions using mainframes system (JCL, COBOL, DB2 etc.).
- Revised DB design for optimum performance and evangelized use of best practices for SQL queries.

Full Stack Engineer   Jan 10 – Dec 10

Technova Solutions, Chennai, India

- Developed end to end web application for reservation and content management.
- Worked on Requirement gathering phase, setting up of milestones, budget and design specification.
- Managed a team of 4 to cater the customer needs and accomplished the deliverables on time through proper delegation of work among team members and review process.

I-Want Mobile App – Mobile Ad service Channel

- Built an Android application for a reverse auction based shopping platform
- Designed the Database on MySQL and indexed the data using Solr scratch
- Implemented keyword based search that ranked results based on tf-idf (term frequency - Inverse Document Frequency).
- Integrated external APIs to allow location based deals and coupons search.
- Crawled review websites to aggregate product reviews and assessed its sentiment.
- Built a web dashboard for merchants to add and monitor their products

Technology Used: HTML5, CSS3, JavaScript, Jquery, Python, Android(Java), MySQL, Solr.

Tag Prediction for Stack overflow Questions

- Devised a ML based approach to tag new questions that are posted on Stack overflow
- Preprocessed the data by removing stop words and vectorizing each question.
- Compared the performance of supervised (KNN, Naive Bayes)and unsupervised algorithms (K-Means)

Technology Used: Python, Shell Scripts, scikit-learn (Machine learning package in Python)

Virtualization – Scalable Virtual environment Management

- Built a framework for large scale metrics data collection and analysis across VMs.
- Designed an interface to visualize and monitor VM performance.
- Added tools for disaster recovery through VMware vSphere API.
- Elasticsearch using Kibana to collect logs from VM's and display the stats using Graphite.

Technology Used: JAVA, vSphere, MongoDB, Kibana, Graphite, logstash.

Parking Management System in San Jose State University

- A web application that is to manage/book the parking space reservation system.
- Can book parking space and pay online confirmation done by generating unique QR code that can be used as a pass for entry and exit.
- Windows 8 application is developed to extend the support for mobile users.

Technology Used: HTML5, CSS3, JavaScript, ASP.NET, MySQL, MS Sql server for CE (Windows-8).