SUJITH KATAKAM

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EDUCATION

North Carolina State University   Raleigh, NC   **Expected May 2016**
Master of Science in Computer Science   **GPA: 4.00**
• Relevant Coursework: Design and Analysis of Algorithms, Database Management Systems, Automated Learning and Data Analysis, Advanced Data Structures, Enterprise Storage Architecture, DevOps, Software Engineering, Software Security, Computer and Network Security and Object-Oriented Design and Development

Osmania University   Hyderabad, India   **June 2014**
Bachelor of Engineering in Computer Science and Engineering   **GPA: 4.00**
• Relevant Coursework: Operating Systems, Computer Networks, Internet Protocols, Information Security and Discrete Structures

WORK EXPERIENCE

Intern-Software Engineer, *Citrix Systems*   **August 2015 – Present**
- Adding authentication and creating widgets on dashboard using C# on backend, HTML, CSS and JavaScript on frontend
- Building scripts to automate manual tasks and manage the servers and maintain configurations

Intern-Software Engineer, *Clari*   **June 2015 – August 2015**
- Implemented Swagger, a REST API documentation tool for documenting and using REST end points for Clari server APIs
- Created an add-on to automate various excel operations and simplify processing of excel sheets using Google Apps Script
- Developed a UI with dynamically loaded form and added back-end support to generates and stores .csv files to amazon S3
- Integrated JIRA with Slack to automate notifications and streamline hotfix process
- Evaluated and installed a new logging solution

Intern-Quality Analyst, *S&P Capital IQ*   **December 2013 – May 2014**
- Designed and developed a tool which can both evaluate and improve the performance of SQL objects
- Tested and deployed the tool on various platforms and is currently being used by QA's of 5 different teams
- Learnt extensive Object Oriented Development practices and gained experience in handling Use Cases, Functional Specifications, Knowledge Transfers, Business Analysis and maintenance of life cycle process

Vice President – Startup (MARCNS**) India**   **September 2013 – April 2014**
- Head of core engineering team and product management team.

PROJECTS

- **Framework to test performance of SQL Objects** (C#, ADO.NET, SQL)   **December 2013 – May 2014**
  Developed a tool that can evaluate the performance of SQL objects at both object level and query level. Designed a decent UI and graphical representations to display the statistics, queries, execution plans. Also determined the threshold of an object, in multi-threaded programming, using virtual load generation.
- **Test harness to validate Web Services** (C#, SSMS)   **January 2014 – May 2014**
  Implemented a test harness framework that enables the retrieval of the web service inner methods and allows the scheduling of periodic tests to monitor the health of web services. Logged all the saved schedules and test results to identify critical areas and proactively act before the downtime impact of the web service is felt.
- **4 Stage Pipeline – DevOps** (Nodejs, JavaScript, Ansible, Vagrant, Git, AWS)   **January 2015 – May 2015**
  Built an application from scratch with load balancing feature on servers in build pipeline. Improved code coverage and generated bug reports as a part of test pipeline. Deployed an application on real remote machines and did canary release during deployment pipeline. Added Chaos Monkey and Doctor Money to monitor health of application in final pipeline.
- **Simpledb** (SQL, JAVA)   **November 2014 – December 2014**
  Developed a clock replacement policy in buffer management. Reduced time taken to find a buffer for replacement using hash maps. Stabilized the data storage against system crashes and power losses.
- **Study of User Migration and analysis of response time on Stack Overflow data set** (R, SQL)   **September 2014 – December 2014**
  Analyzed migration of developers in iOS and Android over the past 6 years based on questions and answers posted on Stack Overflow. Evaluated the effect on response time based on various factors related to 'tags' on the question.
- **Other projects: Deduplication over distributed systems** (C) | **Web-based tool for accelerated learning and evaluation** (JAVA, SQL) | **Hangman Game** (Python) | **Scrabble – Word Game** (Python) | **Secure Email System** (JAVA, Bash)

SKILLS

- **Computer Languages:** C, C++, JAVA, Python, R, HTML, jQuery **Basics**: C#, JavaScript, Ruby, AngularJS, Ruby on Rails, CSS
- **Database Systems:** Oracle 10g, 11g, MySQL, SQL, SQL Server, PL/SQL Programming, PostgreSQL, MongoDB, Redis
- **Operating Systems:** Windows, Ubuntu, Mac OS X
- **Design Software/Tools:** Eclipse, Intellij IDEA, RubyMine, AWS, Git, Jersey, Swagger, SSMS, Jenkins, Ansible, Vagrant, Office, Sumo Logic, JIRA, Hubot, Heroku, Jetty Server, Alert Logic, Azure, Nexpose, CloudPassage

CERTIFICATIONS

- Honor code certificate in Introduction to jQuery course from Microsoft in edX.
- Honor code certificate in Programming in Python course from MITx in edX.