Vikram Somu

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY (B.S. Computer Science)　　　　　　　*August 2011 – May 2015*
- **GPA: 3.79/4.00**
- Awards: Eagle Scout, Deans List, HOPE Scholarship, AP Scholar
- Relevant Courses: Computer Security, Database Systems, Design/Analysis of Algorithms, UI Design, Systems and Networks, Intro to AI, Machine Learning, Information Visualization, Mobile and Ubiquitous Computing,

SKILLS

Programming:　　Java, JavaScript, Shell Scripting (Bash), Python, Ruby, SQL, C, PHP, C++, Scala
Software Tools:　Git/SVN, Node.js + npm, WebPack, HTML5, CSS3, jQuery, AngularJS, React, D3.js, Shell Scripting, Bootstrap, Rails, Jetty, Jekyll, Amazon Web Services, Apache, Android, MongoDB, Chef/Puppet, Docker, PhantomJS, Selenium, Jenkins, JUnit
Languages:　　　English (Bilingual**),** Spanish (Limited Working), and Tamil (Bilingual)

WORK EXPERIENCE

***PayPal*, Software Engineer, San Jose, CA**　　　　　　　　　　　　　　*September 2015 – Present*
- Worked on the web checkout application @ PayPal in a large web app development team as a full-stack software engineer.
- Our checkout app runs Node.js on the backend and AngularJS on the frontend, I've primarily used *JavaScript* to carry out my day to day responsibilities, which include: fixing bugs, implementing new features, testing, working with CI, live code pushes, helping maintain the code, troubleshooting various issue that may arise, and proactively designing and implementing tools and improvements for my team.
- Developed a chrome extension that makes service calls to generate sample user and credit card information and autofills out signup form. Greatly improved testing speed for my team by cutting out repetitive manual steps.

***IBM (Watson Big Data Lab)*, Software Engineering Intern (DevOps team), Pittsburgh, PA**　　*June 2014 – August 2014*
- Contributed to IBM's Chef environment by converting existing Puppet modules to Chef Cookbooks in order to help automate developer tool setup and infrastructure node configuration (the team was in the process of moving away from Puppet)
- Used test-driven development to create a Chef error-reporting Rails web application to display infrastructure nodes with recent build failures and e-mail the appropriate people alerts with relevant information.

***Manheim Auctions* (Subsidiary of Cox Enterprises), Software Engineering Intern, Dunwoody, GA**　　*May 2013-May 2014*
- Revamped a J2EE web application using Spring MVC Framework, Hibernate, and a MySQL database in order to help customer service personnel track problems that occur at physical car auction locations.
- Developed a paid time off tracking web application with Node.js and MongoDB to be used by several internal departments.

PROJECTS

Download Accelerator Extension: *Chrome extension enabling faster download speeds*　　　　*Summer 2017*
- Chrome extension utilizing the AngularJS front-end UI library for front-end, and shell scripting to interface with an open source desktop download accelerator client. App communication occurs through chrome extension native messaging protocol
- Front-end and extension related javascript code is compiled using WebPack.

Limit Order Helper: *Bot to help quickly place limit orders on cryptocurrency exchanges.*　　　　*Summer 2017*
- Modular **n**ode.js desktop script that monitors limit orders on GDAX and Bitfinex cryptocurrency exchanges, and quickly places new best competitive orders to ensure that the users orders are always at or close to the front of the order fill queue.

***GT Registration Assistant* (gtcoursewatch.us)**: *School registration assistance system*　　　*Summer 2013-Present*
- Node.js web app featuring course opening notifications (Email/SMS), automated registration of users upon course opening (through PhantomJS), live chat using WebSockets, course stats data visualization through d3.js, and social media sharing.
- Single page, responsive design achieved through Bootstrap+AJAX; server hosted on Amazon EC2 using MongoDB and SSL

***Student Organization Manager*:** *Institutional student organization management system*　　　　*Spring 2014*
- Android application with accompanying Node.js web service and MySQL database hosted on Amazon EC2.
- Designed for Georgia Tech student organizations to centralize communication and other organization management activities.

EXTRACURRICULARS & LEADERSHIP

MOVE, Chair of the ACCESS Committee　　　　　　　　　　　　　*August 2012 – December 2013*
- Elected as chair of the ACCESS Committee for MOVE, a Georgia Tech community service organization
- Managed a tutoring program dedicated to SAT, College essay and general admissions advice to high school students

Boy Scouts, Eagle Scout　　　　　　　　　　　　　　　　　　　*May 2004 – Present*
- Organized and carried out a service project to collect eyeglasses to give to the needy for my Eagle Scout project

INTERESTS
- Web development, technology, personal finance, alternative and electronic music, reading, and PC gaming