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
- Relevant Courses: Computer Security, Database Systems, Design/Analysis of Algorithms, UI Design, Systems and Networks, Intro to AI, Machine Learning, Information Visualization, and Mobile and Ubiquitous Computing

SKILLS

Programming:	Java, JavaScript, Shell Scripting (Bash), Python, Ruby, SQL, C, PHP, C++, Scala
Software Tools:	AngularJS, Node.js + npm, yarn, WebPack, HTML5, CSS3, React, jQuery, Git/SVN, D3.js, Shell Scripting, Bootstrap, Rails, Jetty, Jekyll, Amazon Web Services, Apache, Android, MongoDB, MySQL, 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 – May 2017*
- Worked on the web checkout application @ PayPal in a large web app development team as a full-stack software engineer.
- Our checkout app ran Node.js on the backend and AngularJS on the frontend, I 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 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.

Yarn CI Integration @ PayPal: *Integrated yarn package manager for node into our CI build scripts*   *Spring 2017*
- Involved understanding how a large scale CI build system fits together from ci front-end down to the shell build scripts to make some minor modifications to the environment to use yarn as a javascript package manager over npm.
- Using yarn significantly reduced build times for my team's app which in turn helped speed up CI builds for checks, etc.

Dynamic Currency Conversion @ PayPal: *Front-end solution for signup page on PayPal checkout*   *Spring 2017*
- Worked with a teammate to plan and implement a front-end feature solution for Checkout's dynamic currency conversion.
- Feature dynamically pulls entered credit card number's currency information and updates user's billing currency/amount.
- Learned important lessons on importance of planning (diagraming) for many different state sequence scenarios / edge cases.

Checkout Auto Form Extension @ PayPal: *Chrome extension to speed up PayPal Checkout flow testing*   *Summer 2016*
- Chrome extension used to greatly reduce testing time for user flows on my team's app at PayPal by auto filling form data.
- Extension pulls data from PayPal's mock data servers via REST call and auto fills all data into our Angular SPA form fields.

***GT Registration Assistant* (gtcoursewatch.us)**: *School registration assistance system*   *Summer 2013-2015*
- 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

EXTRACURRICULARS

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, eating, alternative and electronic music, video games, reading, and running.