

Tej Vuligonda

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Technical Skills

- Proficient: Python, Django, TensorFlow, JavaScript, AngularJS, Node.js, PHP, Ruby on Rails, Java, C++, C, SQL, PostgreSQL, SQLite, MongoDB, Git, AWS, Travis CI, jQuery, HTML5, CSS3, iOS, Swift, Bash, Lua, SVN
- Exposure: GenSim, Objective-C, Perforce, Perl, Apache, R, R Studio

Industry Experience

- **Integrations Software Engineer** – 8x8, Inc. *April 2019 to Present*
 - Developed custom enhanced Interactive Voice Response systems for contact center customers with Lua, Python, and Freeswitch while decreasing the number of customer issues by 40% per customer.
 - Led the migration to cloud-based microservices using Maven, Java Spring Boot, Jenkins, Docker, Kubernetes, and AWS leading to a 30% increase in revenue for the organization.
 - Automated call recording upload process by using Python, Perl, PHP and Bash to develop unix-based scripts that integrate with third-party storage API's such as Dropbox, Amazon/AWS S3, Azure Blob Storage, Google Cloud Storage saving an average of 10% per customer in fees.
 - Collaborated with pre-sales solution architects and sales engineers to design solutions and develop prototypes to confirm feasibility, utilizing 8x8 products, API's, and internal tools as required.
 - Implemented multiple CRM integrations (Salesforce, custom CRM's, Netsuite) for contact center and PBX/VoIP solution generating over \$200,000 in monthly recurring revenue.
- **Software Engineer** – Cisco Systems, Inc. *July 2017 to April 2019*
 - Collaborated with the UI/UX team to develop Database Portal consolidating 100+ tools with JavaScript, AngularJS, Java Spring Boot, and Oracle Apex, decreasing search time by 86%.
 - Built predictive patching tool to scrape internal & external knowledge bases for database administrators to apply solutions before issues arise with Python BeautifulSoup and AngularJS; 93% faster than manual process.
 - Developed multi-threaded tools which provisioned access to hosts and databases for Database Administrators using Python, Paramiko, cx-Oracle, and Oracle DB causing 33% less production issues.
- **Advanced Development Intern** – Dell EMC *June 2016 to January 2017*
 - Updated Performance Testing Automation Framework legacy code for new NAS storage backup software using PHP, Apache, MySQL and Perl, optimizing memory usage by 50% and run time by 20%.
 - Automated installation of product builds with Bash, Python, and Artifactory, saving 1 hour per build.
 - Collaborated with Senior Engineers to analyze storage system data and recommend decisions to customers by creating prediction algorithms using R with 92% accuracy.

Notable Projects

- **SwipeMeIn | Software Engineer + Team Lead** *2017*
 - Marketplace for UC Irvine students to swipes built with PHP, Apache, MySQL and AWS.
- **RESANG | Software Engineer + Data Scientist** *2016*
 - Group chat app employing machine learning (Agglomerative clustering) to provide meaning to pictures and text using Python, TensorFlow and Natural Language Processing with GenSim.

Education

- **University of California, Irvine** – Irvine, California
 - B.S., Computer Science and Engineering *September 2017*
 - B.A., Business Economics *September 2017*
 - Minor in Management

Awards and Honors

- **1st Place and Student Choice in Anthacker Competition** – Associated Students - UC Irvine *January 2017*
- **Multidisciplinary Research Fellowship** – Undergraduate Research Program at UC Irvine *January 2017*
- **Eagle Scout** – Boy Scouts of America *June 2013*