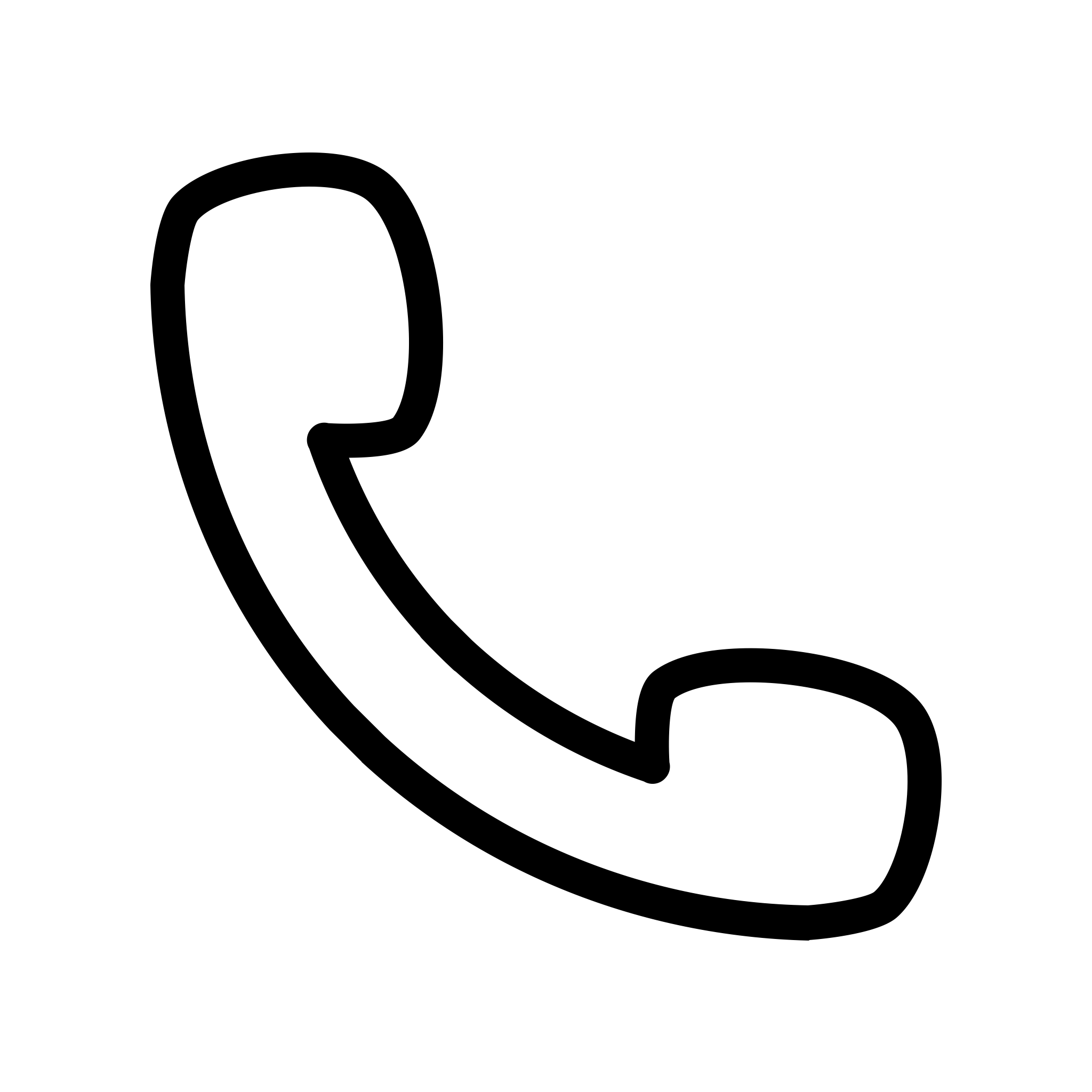
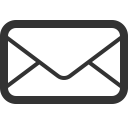
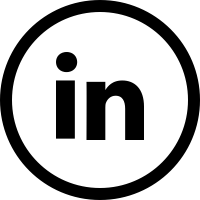
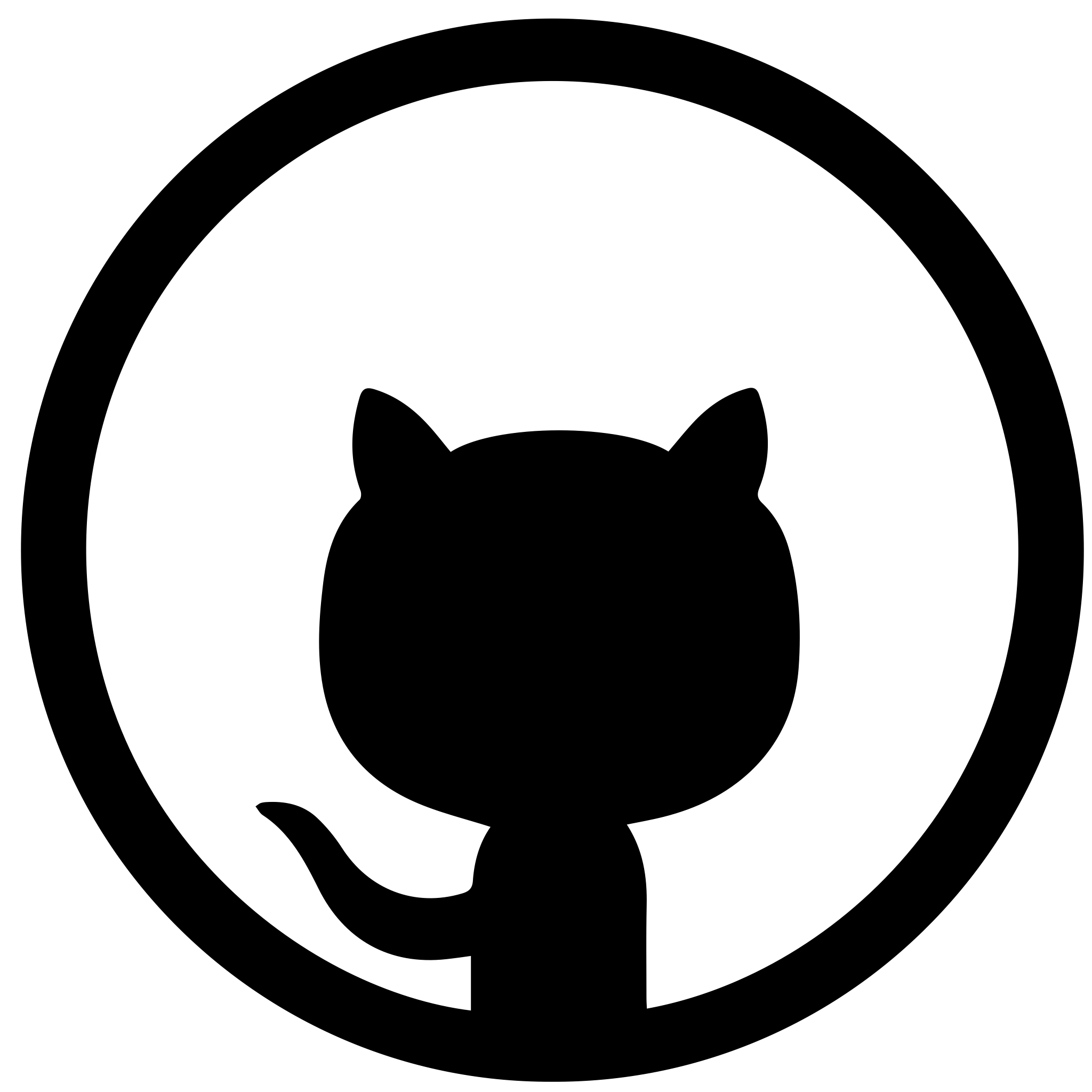
**RAVI VALLURI**

***SOFTWARE ENGINEER***

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 : [*/in/ravivalluri*](file:////in/ravivalluri)  [: */codebyravi*](https://github.com/codebyravi)

**About Me**

I am a software engineer (full stack) based in San Diego, California with **over 10 years** of experience in Full Software Development Life Cycle (SDLC) including defining requirements, design, implementation, testing, production support, and enhancing existing systems by developing dynamic web applications. My specialties include **Go**, full-stack **JavaScript,** and hands-on experience in designing, developing & managing secured systems in various **AWS** services.

**Experience**

Senior Software Engineer

Rackspace / May 2020 - Present

* Working on Golang to integrate DNS load balancer with the enterprise AD cluster.
* Implemented Docker container to run Golang tests in a Jenkins workflow.
* Built Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) from scratch for customer portal using AWS.
* Developed a data aggregator using Golang, implementing channels and goroutines.
* Improved development and testing productivity by creating and maintaining reusable and modular JavaScript functions that mock client API requests.
* Design and implementation of a new GraphQL-based advertising analytics service using TypeScript, Node.js, and the NestJS framework on AWS.

Senior Software Engineering Consultant

BCBS (Blue Cross Blue Shield) / May 2016 – May 2020

* Orchestration of cloud infrastructure environment using OpenStack, Ansible, Shell, and Python scripts and containerized applications using docker within Kubernetes clusters.
* Developing and deploying Applications as pods and microservices in Java and scaling of containerized applications within Kubernetes clusters using helm charts
* Data Ingestion Pipeline: Scrapping node, Kubernetes metrics, and external services using node exporter and Prometheus integrated with Alert Manager.
* Developed Login Modules using OAuth architecture and JSON web tokens for authentication and authorization security configurations using Node.js
* Utilized AWS services for data storage, caching, user pool, API management, hosting applications, key management services to create/manage encrypted keys, encrypt Postgres, backups, etc.
* Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
* Built S3 buckets, managed policies for them and used them and Glacier for storage and backup on AWS.
* Logging the Application and Kubernetes system container logs on Elasticsearch using fluent-bit and Kibana for visualization.

Software Engineering Consultant

Wells Fargo / May 2014 – May 2016

* Created a NodeJS based system to take in an assortment of user data (purchases, page views, etc.) and generate expected interest in future products and the categories.
* Set up and built AWS infrastructure with various services available by writing cloud formation templates in JSON.
* Worked on the databases of the Amazon RDS and carried out functionalities for creating instances as per the requirements.
* Created a Node.js API server using Express, that powers all of the cart’s back-end infrastructure.
* Wrote a module for processing and uploading images using client-side JavaScript that significantly reduced server load and improved user performance, leading to a 96% reduction in media storage needs.
* Assisted in developing a mobile-first strategy for new business applications using AngularJS for robust concurrency handling.
* Maintained and developed the online wholesale insurance trading platform, written in JavaScript with MySQL for data storage.
* Performed audits on front-end pull requests and add bug fixes to features on a large-scale, multi-repository billing interface project using AngularJS.
* Implemented highly interactive SVG-based visualizations using JavaScript (ES with Babel.js).

Software Engineer Intern

Wells Fargo / May 2013 - May 2014

* Implemented XML to stream data across different Interfaces for Reconciliation and Reversal process of the transaction files with the Bank.
* Builds codes for Shadowboxes, Image Carousels, Tickers, Rotating Headers, Validation, and JS animations.
* Developed Date Time Picker using Object-Oriented JavaScript with Prototype.js library.
* Help integrate functionality into new existing JAVA-based applications running on a bootstrap-based library.
* In addition, capture and implement designs created by the UI team, add new functionality, enhancements and, improvements to the overall website aesthetic.
* Created and implemented a custom CSS grid system, with CSS media queries for mobile responsiveness.

Student Web Developer

University of North Texas / August 2011 **-** May 2013

* Created interactions from scratch using wireframes for the UI, and parameters from the client for the functionality.
* Using JavaScript, SVG, and HTML5 to develop novel and compelling widgets, tools, demos that contributed to the advancement and promotion of the custom UI framework.
* Learned programming in JavaScript with data capture and event handling methods via the DOM event model.

Education and other technical proficiencies

* Master of Science in Computer Science (2014) / University of North Texas
* Bachelor of Science in Computer Science (2010) / Jawaharlal Nehru Technological University