

Yashwanth Reddy Gondi

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EDUCATION

University of Southern California

Master of Science in Computer Science

Los Angeles, CA

January 2021-December 2022

CVR College of Engineering

Bachelor of Technology in Computer Science

Hyderabad, India

August 2012-April 2016

EXPERIENCE

Software Development Engineer II

Amazon

Feb 2022-Present

Santa Monica, CA

- Working on large scale services and data pipelines that support conversion measurement across Amazon's ecosystems
- Helped bring Amazon Ads' New-To-Consideration metrics to market
- Enabled our Brand consideration metrics comply with EU's Digital Markets Act (DMA)
- Solved the problem of keeping our petabyte scale document data store up to date with global brand name changes. Utilized serverless compute to scale per demand and message queues to reduce blast radius in case of faulty data
- Working on making Amazon's brand metrics transparent by solving the homonym problem

Software Engineering Intern

Stripe

May 2022-Aug 2022

Seattle, WA

- Worked on scaling Stripe for high availability and disaster recovery
- Helped Stripe minimize latency impact in a cross AWS-region presence
- Successfully reduced increase in latencies from critical mongo collections by 80%

Senior Engineer II

Commvault

July 2016-December 2020

Hyderabad, India

- Built new Commvault WebServer from ground up, enabling it to be cross-platform. Achieved it by creating a new framework in ASP.Net Core. Served as the application owner responsible for new features and code reviews.
- Led several teams with 10s of developers in an effort to rewrite 1500+ REST APIs. Responsible for rewriting 150+ APIs to be compliant with new framework.
- Developed a new P/Invoke based framework for the Commvault API layer to access Commvault's native services.
- Brought down average response time for REST APIs by utilizing MongoDB as a caching server.
- Author of Commvault API Gateway, a new WebServer module that allows customers to come up with custom APIs over Commvault's infrastructure. It uses Liquid template language to construct requests and responses and supports pipelining/chaining of requests.

PROJECTS

Weenix Kernel | C, Assembly

- A non-preemptive unix-like kernel capable of running userland programs
- Built the scheduler, file-system and virtual memory as part of a team of 4
- Built it as part of the Operating Systems course at USC

Hyper-Video Player | C#, XAML

- Built an experimental video player and video editor for a type of media called hyper-media
- Using the editor, users can stitch videos together like they were web-pages and the player would move them through different videos like a browser
- This was the final project for the course Multimedia Systems Design at USC

Evaluating Significance of Emotion Classification in Emotion-Aware Empathetic Dialogue Systems | Python, PyTorch

- Investigated improvements on a facebook-research paper which aimed to produce empathetic responses to user dialogue inputs
- Used models like BiLSTM and Transformers not used in the original paper to evaluate the change in performance
- This was part of the course "Applied Natural Language Processing" at USC

SKILLS

Languages: C#, C, C++, Java, Python, Javascript, SQL (SQL Server, Postgres), HTML/CSS

Technologies: ASP.Net Core, MongoDB, Docker, Active MQ, Angular, Node.js, Express JS, NUnit, Swagger/OpenAPI

Developer Tools: VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Postman, Git, Docker

LEADERSHIP AND INVOLVEMENT

- Managed Commvault Hackathon 2020 and served as lead programmer for Commvault BotFight 2020.
- Won second prize winner in Flipkart's 24hr Mobile Application Hackathon 2016
- Ranked 102 in TCS's nationwide competitive coding championship CodeVita 2015