Yashwanth Reddy Gondi

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Education

University of Southern California — Los Angeles, CA
Master of Science in Computer Science (OS, AI, NLP, Multimedia Systems, DB Systems) — *January 2021-Present*

CVR College of Engineering — Hyderabad, India
Bachelor of Technology in Computer Science — *August 2012-April 2016*

Experience

Software Engineering Intern — May 2022-August 2022
Stripe — *Seattle, United States*

- Worked on making Stripe APIs highly available by minimizing latencies occurring from cross-region data accesses
- Utilized document sharding to intelligently redistribute data across hundreds of MongoDB replsets to minimize turnaround times
- Decreased risk of cross-region latencies from critical collections by 85%.

Senior Engineer II — July 2016-December 2020
Commvault — *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.
- Built new packaging framework for DotNet Core projects for Commvault. Responsible for the entire CI/CD workflow of DotNet for Windows and Unix at Commvault.
- 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.
- Trained and mentored experienced developers and interns in learning new framework. Hosted several training sessions on Dependency Injection, Middleware Architecture, Asynchronous Programming to write modular and maintainable code.
- Contributed to CommVault's efforts of having a 100% Linux offering and resulting in a much larger customer base for the company.
- Added support for CDMI interface to Commvault's ObjectStore. The application translates requests to and from a CDMI client to those compatible with Commvault's ObjectStore.

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 if 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