ANIRUDH EMMADI

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EXPERIENCE

Full Stack Software Engineer, iLink Digital *Jul 2022 - Present*
- Developed a platform for real-time analysis of video feeds from multiple cameras using **Angular**, **Javascript**, **Python**, **PyTorch** and **AI Computer Vision** models.
- Maintained **Docker** containers and **Kubernetes** clusters on **Azure Cloud** and Microsoft Stack **Edge Servers**.
- Successfully coordinated and prioritized diverse stakeholder needs within multiple organizations as well as demonstrated proactive leadership in the development of comprehensive technical documentation.

Product Engineer, Hifive *Apr 2022 - Present*
- Drove product vision and revenue generation as the Product Owner and Lead, steering the roadmap direction with a keen focus on achieving tangible outcomes.
- Spearheaded the successful migration of **Monolith systems** to an **event-driven microservice architecture** on **Amazon Web Services (AWS),** strategically scaling the product tech-stack to enhance performance and scalability.
- Effectively managed a technical team of four developers across numerous product releases, fostering collaboration and ensuring timely project completion.
- Implemented a meticulous refactoring process, transitioning the codebase from **React**, **JavaScript**, and **Python** (**Flask**) to **NextJS**, **TypeScript**, and the **Serverless** framework, resulting in improved code maintainability and development efficiency.
- Pioneered the development of an A/B product testing framework to validate user assumptions, empowering data-driven business decisions and maximizing the impact of product enhancements.

Full Stack Software Engineer, BizCloud Experts *Jan 2022 - Jul 2022*
- Architected production ready scalable cloud solutions for numerous companies leveraging **Amazon Web Services** (**Lambda**, **DynamoDB**, **S3**, **RedShift**, etc) utilizing the **Serverless** framework.
- Developed full stack software applications for clients primarily using **React**, **NodeJS**, **Python**, and **SQL**.
- Improvised existing architecture with lower latency by implementing data streaming services like **Amazon Kinesis** for real-time data processing, reducing overhead costs by 20%.

Software Engineer Intern, Walmart Global Tech *Jun 2021 - Aug 2021*
- Built tools for validating millions of records across multiple databases (**Big Query, Cassandra, ElasticSearch)** using **Java Maven a**nd **Google Cloud e**nsuring 100% data integrity and reducing monthly cost by over $1000.
- Implemented data metric visualization and automated alerts using **Grafana** and **Strati**.

Software Engineer Intern, Toucan AI *May 2020 - Aug 2020*
- Performed user data analysis and collection to generate business KPIs using **Python** and **MongoDB**, allowing better insights and visibilities into user journeys, helping increase revenue and product roadmap decisions.
- Owned the **RESTful API** service and optimized workloads with under 100 milliseconds runtime, using **Python Flask** and **database caching** methods.
- Implemented data visualization of user data using **React** and **d3.js**, improving the user experience of the product.

Technical Consultant, Fiverr *Feb 2019 - Jan 2022*
- Managed over 50 clients around the world and consulted regarding **Linux** (**Ubuntu**, **NGINX**, **RAID**) servers, **CI/CD** pipeline configurations, and scalable infrastructure solutions (**Kubernetes**).
- Developed custom software applications and integrated them using **Python**, **Javascript**, and **Docker** containers.

PROJECTS

coursebook-api
- Reverse-engineered UT Dallas university backend to provide an unofficial API layer, allowing university students to build projects that impacts the student community.
- Built API using **Python**, **Flask**, **Selenium** (Web Scraping), **MongoDB**, and **Heroku**.

plan.degree
- Degree planning solution for students to customize and view multiple optimal degree tracks, ensuring a successful and timely graduation. Supports multiple features such as: course pre-requisite validation, elective course recommendations, and a simple intuitive drag-and-drop user interface.
- Developed using **JavaScript** (**React**), **Python**, **Flask**, **MongoDB**, **Auth0**, and deployed using **AWS Amplify**.

SKILLS

Languages: JavaScript, NodeJS, React, Python, Flask, Java, C++, Typescript, HTML5, CSS3, Markdown
Technologies: Git, Linux, REST API, NoSQL (MongoDB, Firebase), AWS, Heroku, Docker
Tools: GitHub, Postman, JIRA, Command Line Interfaces, Microsoft Office, Adobe Creative Cloud, Slack

EDUCATION

Bachelor of Science, Computer Science *Aug 2018 - May 2022*
The University of Texas at Dallas