JAGANNATH SARAGADAM

CONTACT

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EDUCATION

Carnegie Mellon University
School of Computer Science
M.S Software Engineering
GPA: 3.72/4.33
August 2019 - December 2020

Osmania University
B.Tech in Information Technology
GPA: 8.81/10
August 2015 - June 2019

SKILLS

SOFTWARE DEVELOPMENT: Python, JavaScript, C++
WEB DEVELOPMENT: TypeScript, NodeJs, ReactJS, NextJS, GraphQL
TOOLS: AWS, Docker, Kubernetes, Git
DATABASES: MySQL, PostgreSQL, MongoDB, Redis

EMPLOYMENT

Alation — Redwood City, CA
Software Engineer — Mar. 2022 to Current
- Taking software to production
- Scaling various components based on usage
- Monitoring and Cloud cost optimization
- Increasing developer productivity

Kloudio — San Jose, CA
Software Engineer — Feb. 2021 to Feb. 2022
- Responsible for company-wide cloud infrastructure deployment, maintenance, and cost management.
- Lead the design and development of a cron-based scheduler written in NodeJS with a Postgres database.
- Contributed to production-level serverless graphQL APIs for the core product deployed on AWS Lambda.
- Reduced the overall AWS infrastructure bill by 57% in 2 months by optimizing Redshift, ECS clusters, and EC2 instances.

Human-computer interaction institute, CMU — Remote
Research Assistant — Sept. 2020 to Dec. 2020
- Worked on the Audience Participant game - a live Twitch stream extension that lets the audience interact with the game.
- Experimented with various Pub-Sub systems to transfer game metadata from server to multiple clients with sub-second latency and implemented Redis server as the middleware with backups to S3.
- The solution ensured the system could scale to 1000s of users from 1-2 of the current system

Kloudio — San Jose, CA
Software Engineer Intern — May 2020 to Aug. 2020
- Improved the overall response-time of the enterprise platform backend by 25% by redesigning the core features from ground-up and overhauling the SQL queries.
- Streamlined the deployment process by implementing multi-stage pipelines used to deploy the backend services on ECS clusters with auto-scaling and load balancing.
- Accelerated developer productivity by 40% by creating a pipeline to automate Google Sheets Add-ons development using CLASP and Github actions.

GE Appliances — Hyderabad, India
Intern — Jan. 2019 to July 2019
- Reduced Amazon Web Services operational costs by 50% by taking the initiative and implementing end-to-end automation of daily file transfer from a remote server to AWS RDS using AWS CodePipeline, CloudFormation, Lambda, SQS, SNS, DynamoDB, CloudWatch events, and rules.
- Setup real-time monitoring for all components of product - web portal, APIs, Lambdas, Databases with AWS CloudWatch, and DataDog, which helped in identifying bugs and bottlenecks.
- Reduced environment deployment time by 40% by deploying CI/CD pipelines for Python and Java-based Lambda functions from GitHub.

Skylark Drones — Banglore, India
Software Developer Intern — May 2018 to July 2018
- Enhanced client experience by developing a proof of concept web application that allows a client to mark points, lines or add comments on a video captured via a drone, which would reflect on a map representing the path of the drone. These features can be leveraged for inspection and auditing.
- Engineered a web-interface that would synchronize videos of the same location from a different time of recording for auditing progress of the project utilizing GPS coordinates and Vue JS.