Manoj Srinivasa

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Education

George Washington University, Washington DC, USA Anticipated May 2025
Masters of Science in Computer Science

PES University, Bengaluru, India Aug 2016 - Aug 2020
Bachelors of Engineering in Information Science and Engineering *GPA 8.34/10*

Experience

Software Engineer | Solarwinds Dec 2021 – Aug 2023

- Extensively worked on building AWS and Azure cloud infrastructure observability product
- Designed microservices-based architecture using Java for AWS observability and Go Lang for Azure observability
- Designed gRPC APIs to establish robust communication channels between backend microservices enhancing system efficiency
- Designed and implemented a reliable GraphQL API within the backend microservice utilizing the Netflix DGS framework to facilitate seamless communication with the frontend service
- Developed thorough unit and integration tests and incorporated the test suites into the CircleCI CI/CD pipeline
- Conducted in-depth research and analysis of metrics and dimensions for various AWS and Azure cloud services, including Elastic File Storage, Load Balancers, Notification Service, S3 Buckets, and Queue Service
- Leveraged Kafka to streamline the real-time streaming of incoming metrics and logs data from AWS and Azure cloud Services into the Clickhouse database

Analyst | Merkle (formerly Ugam) Dec 2020 – Dec 2021

- Developed data quality framework that consumes PII and transactional data of retail clients and computes the credibility of data by processing it through defined KPI packages
- Carried out design and development of look-a-like models using XGBoost along with notification pipelines using AWS SNS for email campaigning

Skills

Programming Languages: Java, Go, Python, Javascript
Frameworks and Tools: Git, Intellij, K9S, BloomRPC, Shell, Docker, Dropwizard, CircleCI, Kafka
API's: gRPC, GraphQL, REST
Cloud Tech: Amazon Web Services, Azure, Kubernetes
Database and Data Warehouse: MySQL, Clickhouse, Snowflake

Projects

Crypto Analysis | *NodeJs, React, MySQL* Nov 2021

- Developed web-based application that provides complete analysis of individual's crypto investment which includes profit or loss made over individual crypto coins in its native currency, amount of coins transferred to different wallets, average buy and sell of coins in time
- Used Live Crypto APIs along with data scraped from individual trading reports to generate the analysis

FlowerDex | *Flask, Python, Keras* June 2020

- Developed application to identify flower species and its endangered status via image captured in mobile device
- Used deep learning model for image classification and IUCN red list website to scrape flower details

OCR Card Recognition | *Flask, Pytesseract, OpenCV, MySQL* May 2019

- Implemented POC to instantly capture essential details from KYC documents (Driving License, Voter ID, Passport) and store them in relational database
- Used OpenCV for grayscaling and noise reduction in image and Pytesseract to read text embedded in image