Sudhanva MG

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Technical Skills

GoLang, Python, LLM, Spark, DataOps
JavaScript, TypeScript, DynamoDB, SQL, React, Tailwind, Git
AWS, Azure, Docker, Databricks, GCP, Cloud Computing, CI/CD, TDD, Lambda, OOP
Agile Methodologies, Code Review, Technical Documentation, Cost Optimisation, Distributed Systems

Experience

Wakelet
Oct 2021 – Current

Senior Software Engineer
Manchester, UK

- Architected and developed high-performance microservices using Golang and AWS Lambda, successfully handling 3-4 million daily API calls with optimized DynamoDB access patterns and caching strategies for persistent storage. Implemented robust error handling, retry mechanisms, and monitoring to ensure system reliability.
- Established comprehensive testing infrastructure by implementing unit tests, integration tests, and end-to-end testing using TDD methodology, achieving over 90% test coverage. Utilized LocalStack for AWS service emulation in development environment, ensuring consistent behavior between development and production environments while maintaining high code quality standards.
- Developed and integrated AI-powered content suggestion and moderation systems using LLMs and custom ML models, implementing them within the microservices architecture. Ensured scalability and performance through efficient model deployment strategies using AWS Lambda and ECS containers.
- Spearheaded large-scale data system migration from Azure Databricks to AWS, re-engineering data pipelines for billions of records. Achieved 80% cost reduction while improving system reliability and data processing efficiency through optimized architecture.
- Designed and maintained production deployment pipelines using AWS services (Lambda, Docker, ECS), implementing automated CI/CD processes with proper staging environments. Managed system migrations and updates with zero-downtime deployment strategies while maintaining system stability.

Survaider
Nov 2018 – Jan 2020

Junior Data Scientist
Bangalore, India

- Developed a statistical model that reduced data scraping time from 8-9 hours to 2-3 hours, and guided the team in deploying the company's first Machine Learning engine for automated data analysis.

JP Morgan Chase
July 2018 – Oct 2018

Software Analyst
Bangalore, India

- Led efforts in decomposing monolithic internal software systems into microservices architecture, improving system maintainability and deployment efficiency.
- Contributed to development and optimization of enterprise-level applications using best practices in software development.
- Runners up, Code for good, conducted by JPMorganChase 2017

Education

The University of Manchester
Sept 2020 – Sept 2021

MSc Advanced Computer Science: Artificial Intelligence
Manchester, UK

- **MSc Dissertation: Deep Q Vision Transformers -** Implemented deepQ learning and Vision Transformer architecture from its respective research papers using Python, OpenAI gym and Keras. Introducing a new architecture of deep Q learning - 'DeepQ Vision Transformer' where vision transformers are used instead of convolutional networks for training the Q function.

Dayananda Sagar College of Engineering
April 2014 – April 2018

BE in Computer Science
Bangalore, India

- **First Class with Distinction**
- Runners up, VTU south zone inter college badminton tournament, Rv college of engineering 2014.
- 'Best Innovative Project Award', project exhibition, Dayanada Sagar College Of Engineering 2018