Aditya Ranganathan

Kerala, India · aditya.ranganath68@gmail.com · +919591652340 ·
https://www.linkedin.com/in/adityaranganathan

Summary

Backend Engineer with 4 years of experience developing and maintaining backend infrastructure for web and mobile applications. Proficient in Golang, Python, and managing cloud deployments using Docker, AWS, Ansible, and Terraform.

Experience

Lean Station   **Remote**
Backend Developer   October 2020 - Present
• Developed and maintained microservices with RESTful interfaces using Golang and gokit
• Developed and maintained BDD tests and scenarios using ginkgo, gomega, and mockery
• Utilized Go's concurrency features including goroutines, channels, and waitgroups to synchronize and process data, resulting in reduced latency and improved performance
• Developed and maintained event-driven APIs using Amazon SQS
• Experienced with JWT for user authentication and RBAC authorization in a microservices-based architecture
• Implemented database models and schema migrations using go-pg, golang-migrate and postgreSQL
• Worked on service deployment and infrastructure provisioning using Docker, Ansible, and Terraform
• Conducted code reviews and led technical discussions to improve APIs and refactor the codebase

Tata Technologies   **Pune**
Solution Developer   March 2018 - October 2020
• Worked on deploying, maintaining, and upgrading Siemens PLM Teamcenter for Fiat Chrysler Automobiles
• Contributed to the migration to a high availability system with disaster recovery capabilities, ensuring the integrity and continuity of the servers and data
• Improved user experience by implementing Single Sign On for Teamcenter applications, reducing the need for multiple login prompts and password resets
• Created a test suite with Selenium and Python to automate testing, saving one hour of manual testing per day

Flux Auto   **Bangalore**
Intern   October 2017 - January 2018
• Used Python, Kera, Pandas, and Jupyter notebooks to analyze datasets and train neural networks

Projects

System Designer - https://system.aditya-r.com/
• Interactive UI developed with React.js and ChakraUI that allows users to create and visualize server systems
• Developed the backend system using Golang, providing RESTful API endpoints and leveraging WebSockets for real-time streaming of metrics
• Implemented load balancing simulation using goroutines and channels

Skills

Programming	: Golang, Python, Javascript
Frameworks	: Gokit, Ginkgo, Gomega, go-pg, Django, Django REST Framework, React.js
Tools	: Docker, Ansible, AWS (EC2, S3, SQS, SES, CodeBuild, ECR), Terraform, PostgreSQL

Education

Amrita School Of Engineering   **Bangalore**
Bachelor of Technology Mechanical Engineering   August 2013 - May 2017

Certifications

Machine Learning Engineer Nanodegree   Udacity
Deep Learning Specialization By deeplearning.ai   Coursera