Akash

Software Engineer

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EXPERIENCE

SugarBox Networks, Bangalore — *Engineer*

March 2022 - PRESENT

- Developed and maintained microservices running on edge servers using goLang.
- Rewrote a few applications from python to goLang considering go's concurrency features & reduced CPU usage which led to the rewritten service using ~30% less CPU.
- Collaborated with cross-functional teams to gather requirements on new features and worked on LLDs.
- Implemented unit testing and robust error handling resulting in increased code reliability and maintainability.
- Identified and optimized performance bottlenecks and bugs which improved performance by ~20%.
- Maintained legacy python application based on gunicornServer and flask.
- Automated various repetitive tasks to increase work efficiency.

Infosys, Bangalore — Senior *Systems Engineer*

September 2019 - March 2022

- Completed training at Infosys Mysore under Python and Database Administration fields with certifications for Python Associate and Python Programmer.
- Ensured smooth batch processing and monitoring of applications under Client Subledger Workspace system for Goldman Sachs.
- Analyzed and resolved server and database issues and provided in depth RCA.
- Reduced the count of recurring and redundant alerts by scripting and scheduling jobs.
- Training of new joiners in the CSW team.

EDUCATION

Institute of Engineering and Management, Kolkata (2015-2019)

—B.Tech in Electrical and Electronics Engineering: *8.52 DGPA*

Goethals Public School, Bhagalpur (2012-2014)

—Higher Secondary Education: *84.00 %*

Saint Joseph's School, Jhajha (2011-2012)

—Secondary Education:94.71 %

SKILLS

- Go Lang
- Python & Flask
- Docker
- Git
- Unix Scripting
- Database: SQL, MongoDB, Redis
- OS: Linux, Mac and Windows
- SOLID principles
- Design Patterns
- System Design
- Object-Oriented Programming
- REST APIs
- Microservices
- FileBeat
- Nginx
- NATS
- Basics of Java
- HTML, CSS
- DSA and DBMS
- Operating Systems

STRENGTHS

- Quick Learner
- Receptive
- Flexible
- Action Oriented
- Team Player

PROJECTS

- At SugarBox, worked on developing and maintaining backend microservices and diagnostics tools for servers which are mostly offline present on client locations like in flight entertainment service in AirAsia, Chennai & Hyderabad metro and merchant ships.
- Worked on re-artitecture of backend services to remove the bottlenecks of legacy softwares which were being caused by synchronous API calls. This was handled using NATS messaging queue for interaction between services instead of APIs.
- Worked on a solution to update data on servers though pen drive and pen drive's auto-mounting.
- Worked extensively on the diagnostic tool which sends health data of the server and status of other services which requires interaction of microservice with various server hardware and in-depth knowledge of linux utilities to collect meaningful data for business analytics.
- At Infosys, I worked in the ClientSubLedger team for GoldMan Sachs where I handled day to day processing of jobs and acted on an immediate basis to resolve any blockers from upstream or my team to ensure smooth batch processing.
- For the final year project, I made a functional model of a dual axis solar tracker to track the position of the sun throughout the day and aligns the solar panel vertically to the sunrays to achieve maximum efficiency using LDRs.