Oshank kumar

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CAREER OBJECTIVE

Hi👋 , I'm a passionate Software Engineer with 9 years of expertise in backend development, specializing in Golang(Go) and distributed systems. I thrive on building robust, secure, and scalable microservices, and I'm always eager to tackle complex problems. I love writing code that adheres to SOLID principles, ensuring readability and low maintenance.

EDUCATION			
Bachelor of Engineering/ Technology	Future Institute Of Engineering and Management	Grade : 9.0/10.0	Aug 2011 - Jun 2015

WORK EXPERIENCE		
Walmart Global Tech India Senior Software Engineer - IN4 FULL TIME	I'm part of Walmart Edge foundation team and Currently working on T1 Proxy. I am a key contributor to the development of an asynchronous asset optimization pipeline — A Distributed system designed to optimize static asset which helped in significantly improving webpage load times and overall end-user satisfaction. **Key Contributions:** • I led the scaling effort of our optimization pipeline, enabling it to efficiently handle over 500 million assets. This involved architectural enhancements and performance tuning to accommodate extreme concurrent throughput. • I contributed to the development of a robust Redis-based job queueing system, capable of handling more than 200,000 jobs per minute. This system ensures efficient asset processing and timely optimization. • Collaboratively, I played a crucial role in improving core web vitals, delivering a better user experience by optimizing loading times and critical web performance metrics. • I implemented regression tests for our optimization pipeline, utilizing the Ginkgo framework. This initiative resulted in a more reliable and faster release cycle. • To streamline our deployment processes, I automated them using Concord and Ansible, simplifying and expediting deployment tasks.	Bengaluru Nov 2021 - Present

Gojek Tech Software Engineer (SDE-3) FULL TIME	My experience at GoJek has been instrumental in honing my skills and contributing to the success of critical projects, including: **GoFood Merchant Order System:** • Designed and implemented multiple APIs to empower food merchants with real-time order details, enhancing their operational efficiency. • Led user requirement analysis, design, and programming efforts to improve merchant experience, like build MQTT message broker-based order updates for faster communication instead of using a polling system. • Spearheaded the design and development of a system architecture that prompts merchants to initiate food preparation when drivers are nearby, optimizing order fulfillment. • Architected a compensation system within the merchant app, allowing merchants to raise compensation requests for order cancellations not attributable to them. **GoFood Order Management System:** • Played a pivotal role in developing highly available background workers, supported by Redis Sentinel, ensuring reliable order fulfillment and delivery. • Automated infrastructure provisioning and configuration management for high-availability workers using Terraform and Chef, streamlining system maintenance. • Successfully integrated our system with multiple third-party services, improving interoperability and expanding our service offerings. • Contributed to the development of various business-specific features, enriching the GoFood ecosystem with enhanced functionality. These experiences have honed my skills in system architecture, API design, automation, and cross-functional collaboration, enabling me to make valuable contributions to complex projects	Bengaluru Apr 2019 - Nov 2021
RedHat Software Engineer FULL TIME	**Key Contributions:** • Contributed to the development of GlusterD2 – a re-implementation of GlusterD, aimed at achieving superior consistency, scalability, and performance in managing GlusterFS volumes. • Played a pivotal role in the development of the GlusterD2 transaction framework, a critical component used for executing and orchestrating distributed actions (transactions) across the Gluster trusted storage pool. This framework powers various volume management and cluster management operations within GlusterD2.	Bengaluru Jul 2018 - Apr 2019
RedHat Software Engineer FULL TIME	**Key Contributions:** • Contributed to the development of GlusterD2 – a re-implementation of GlusterD, aimed at achieving superior consistency, scalability, and performance in managing GlusterFS volumes. • Played a pivotal role in the development of the GlusterD2 transaction framework, a critical component used for executing and orchestrating distributed actions (transactions) across the Gluster trusted storage pool. This framework powers various volume management and cluster management operations within GlusterD2.	Bengaluru Jul 2018 - Apr 2019
I.AM+ Software Engineer FULL TIME	**Key Contributions:** • Wokred in development of Omega API Gateway, serving as a layer 7 entry point for API calls • Implemented routing logic to direct API requests to backend services • Integrated rate limiting with Redis for managing API request rates	Bengaluru Jan 2018 - Jul 2018

WIPRO Project Engineer FULL TIME	**Client:** Huawei **Project Name:** go-chassis Go-Chassis is a microservice framework for rapid development of microservices in Go. it focus on helping developer to deliver cloud native application more easily **Key Contributions:** • Contributed to the development of go-chassis, a microservice framework for rapid development in Go. • Implemented instrumentation and observability features in go-chassis. • Developed end-to-end (e2e) testing using the ginkgo and gomega framework. • Created demo services in Golang to showcase the capabilities of go-chassis.	Bengaluru Oct 2015 - Dec 2017

AWARDS

Walmart Engineering Excellence	
Walmart Bravo Award	
RedHat Multiplier Collaborate	

Skills

(Golang(Go)) (Distributed Systems) (Kafka) (MySQL) (Azure CosmosDB) (Clickhouse)

(Redis) (Prometheus) (Grafana) (Ansible) (Terraform) (Docker) (Kubernetes)