Oshank Kumar

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ABOUT ME

I'm a seasoned Golang developer with 10+ years of expertise in backend development and distributed systems. I build robust, secure, and scalable services that adhere to SOLID principles.

SKILLS

Backend	Golang, gRPC, Rest
Databases	MySQL, PostgreSQL, CosmosDB, Redis, ClickHouse
Messaging	Kafka, NSQ, MQTT
Cloud and Infra	Terraform, Ansible, Azure, Docker and Kubernetes, Helm
Observability	Prometheus, Grafana

EXPERIENCE

Staff Software Engineer - **IN5**   May 2024 - Present
Walmart Global Tech India, Bengaluru, India

- Architecting high-performance asset optimization systems at the edge
- Optimized cloud infrastructure costs by $100K+ annually by migrating legacy VM-based deployments to Kubernetes
- Transformed asset optimization into a multi-tenant system with complete data isolation, enabling chargeback across multiple international markets
- Driving technical decisions for asset optimizaton platform scalability

Senior Software Engineer - **IN4**   Nov 2021 - May 2024
Walmart Global Tech India, Bengaluru, India

- Led scaling effort of optimization pipeline to handle over 500 million assets
- Developed robust Redis-based job queueing system handling 200,000+ jobs/minute
- Played crucial role in improving Core Web Vitals and user experience
- Implemented regression tests using Ginkgo framework for reliable releases
- Automated deployment processes using Concord and Ansible

SDE-**3**   April 2019 - Nov 2021
GoJek, Bengaluru, India

- Designed APIs for GoFood Merchant Order System with real-time updates
- Migrated from polling to MQTT-based message broker for faster communication
- Architected proximity-based order preparation system
- Built compensation system for merchant order cancellations
- Developed highly available background workers with Redis Sentinel
- Automated infrastructure using Terraform and Chef

Software Engineer   Jul 2018 - Apr 2019
RedHat, Bengaluru, India

- Contributed to GlusterD2 re-implementation for better consistency and scalability
- Developed transaction framework for distributed actions across Gluster storage pool
- Enhanced volume management and cluster management operations

Software Engineer   Jan 2018 - Jul 2018
I.AM+ Electronics India Ltd, Bengaluru, India

- Developed Omega API Gateway as Layer 7 entry point
- Implemented routing logic for backend service
- Integrated Redis-based rate limiting for API management

Project Engineer   Oct 2015 - Dec 2017

Wipro, Bengaluru, India

- Contributed to go-chassis microservice framework development
- Implemented instrumentation and observability features
- Developed E2E testing using Ginkgo and Gomega frameworks
- Created demo services showcasing go-chassis capabilities

EDUCATION

B.Tech Electronics and Communication Engineering   Aug 2011 - May 2015

West Bengal University of Technology, Kolkata 9.0/10.0

Awards

Engineering Excellence *Dec 2025*   Walmart Global Tech

Engineering Excellence *Dec 2023*   Walmart Global Tech

RedHat Multiplier Collaborate *Nov 2018*   RedHat