

GOWTHAM SAI

SUMMARY

Principal Engineer with **10+ years** of experience building **distributed systems, ML platforms, and high-performance analytics pipelines** across fast-scaling companies like **Zepto, ShopUp, and Gojek**.

I specialize in architecting **platforms, event-driven systems, reliability frameworks, and developer productivity tooling** that power dozens of teams. I delivered measurable org-wide impact.

KEY ACHIEVEMENTS

-  Built an In-House Mixpanel Replacement using OSS + ClickHouse
-  Created Zepto's Ads & Brand Analytics stack – real-time ROAS & spend accuracy, 50% faster queries.
-  At Gojek, led 1000+ VM → Kubernetes migration, enabling elasticity, stability, and faster deployments.
-  Built Zepto's ML Platform End-to-End (onboarding → features → routing → telemetry)
-  Eliminated systemic CPU throttling with K8s runtime tuning & Envoy circuit breaking → 40% fewer incidents, major cost savings
-  Built the Macros Framework, reducing Kafka onboarding from 7 days → 1 day across product teams.

Engineering @ Zepto | Scaling Tech & People | ex ShopUp, GoTo/Gojek

+91 9010101046 @ gowtham95india@gmail.com Bangalore, India

EXPERIENCE

Architect	Date period
Zepto	Location
Gen AI, ML Engineering & Platform	
- Improved disaster resilience and business continuity at Zepto by developing the Aegis portal with Gen AI, achieving 60% accuracy in root cause analysis - Accelerated onboarding by 90% by building an end-to-end ML platform for asynchronous inference, managing model creation to deployment - Completed migration from Mixpanel to an in-house analytics platform in under one month, covering key features and use cases with 90% less cost - Mentored and conducted bootcamps for fresh grads improving their onboarding time and ability to push code to production confidently	
Principal Engineer	02/2024
Zepto	Bengaluru, Karnataka, India
Leading Quick-Commerce Engineering solutions	
- Built in-house ads platform on top of Clickhouse, increasing revenue from 4M to 400M - Spearheaded the Macros framework, reducing Kafka consumer onboarding time from a week to a day - Standardized retry handling, concurrency, and DLQ support across Zepto product teams for asynchronous workflows - Built ad analytics and brand dashboards, improving ad spend calculations and query performance by 50% - Led Kubernetes runtime standardization, reducing downtime by 40% and achieving significant cost savings - Migrated from python monolith to Go service reducing latency and compute power required drastically	
Consulting Software Engineer	06/2023 - 02/2024
Self-employed	
Consulting Software Engineering services	
Co-Founder	06/2023 - 02/2024
Stealth Startup	
Co-Founder of a Stealth Startup	
Head of Platform Engineering	04/2022 - 01/2024
ShopUp	Bengaluru, Karnataka, India
Bootstrap of Platform Engineering	
- Reduced onboarding time {by 75%} by creating frameworks for efficient inter-service communication - Provision asynchronous workload framework improving resiliency across engineering teams cutting down failover rate by 40% - Mentored and conducted bootcamp for fresh grads which helped them to be the strongest engineers even among seniors	

SKILLS

Distributed Systems

Kafka · DLQ Frameworks ·

Event Driven Pipelines ·

High throughput ingestion

Backend Engineering

Go · Python · Java · gRPC · REST ·

Real-time services ·

async workflows

ML Platform Infra

Model Onboarding ·

Feature Pipelines · Routing Layer ·

Inference Telemetry ·

Performance Monitoring

Analytics Systems

Clickhouse · OLAP Modeling ·

Data pipelines ·

Sub-second Dashboards

Infrastructure & Reliability

Kubernetes · Envoy · Autoscaling ·

CPU Throttling Mitigation ·

DR Architecture

Cloud Platforms

GCP · AWS · Monitoring ·

Observability

Developer Productivity

Frameworks · Tooling ·

Service Templates ·

CI/CD Pipelines ·

Onboarding Efficiency

LANGUAGES

English Proficient ●●●●●

Telugu Native ●●●●●

Hindi Advanced ●●●●●

EXPERIENCE

Technical Lead

05/2021 - 04/2022

Gojek

Bengaluru,
Karnataka, India

Contributing to Infrastructure and Scaling operations

- Increased infrastructure efficiency by 35% by building and leading a dedicated platform team for transport engineering at Gojek
- Established scalable workflows managing VM resources during critical phases, adopted as company standard across Gojek
- Migrated 1000+ VMs and hundreds of services from VMs to Kubernetes with cluster setup and topology design, streamlining Gojek infrastructure
- Conducted bootcamps which is part of the Gojek culture for juniors to improve their engineering craft

Senior Software Engineer

11/2019 - 04/2021

Gojek

Bengaluru,
Karnataka, India

Launched gojek in Singapore

- Worked across product, engineering to launch Gojek in Singapore in 6 months time period.
- Led development of scalable microservices for Gojek, enhancing platform reliability by 40% through improved architecture.
- Reduced feature deployment time by 40%, improving release cycles by implementing automated CI/CD pipelines.
- Mentored 100's junior engineers, increasing team productivity and code quality through structured training programs.
- Achieved 75% reduction in Ruby service instances by building a transport pricing system at Gojek.

Product Engineer

06/2018 - 11/2019

Gojek

Bengaluru,
Karnataka, India

Data Engineer

11/2017 - 05/2018

Gojek

Bangalore

Data Engineer II

06/2017 - 11/2017

VOONIK - Be Stylish Everyday

Bangalore, India

Data Engineer I

11/2016 - 05/2017

VOONIK - Be Stylish Everyday

Bengaluru,
Karnataka, India

Software Engineer

06/2016 - 10/2016

VOONIK - Be Stylish Everyday

Bengaluru,
Karnataka, India

Engineering Intern

04/2016 - 05/2016

Zemoso Technologies

Engineering Intern

06/2015 - 08/2015

17E Tech

EDUCATION

Bachelor of Technology (BTech)

08/2012 - 05/2016

Mahatma Gandhi Institute of Technology