

# Yash Chauhan

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## EDUCATION

### SCALER ACADEMY

*Data Structures, Algorithms*

Bengaluru, IN

Jan 2021 – Mar 2022

### Parul University

*B.Tech in Computer Science – CGPA: 8.23/10*

Vadodara, IN

June 2018 – April 2022

## EXPERIENCE

### Senior Backend Engineer

*Flam*

September 2025 – Present

*Bangalore, IN*

- Re-architected real-time LipSync pipeline, leading full system profiling and concurrency redesign. Achieved **52% reduction in end-to-end processing time**, removed multiple performance leakages, and established measurable latency and stability baselines.
- Designed and validated LipSync communication architecture by benchmarking **REST, HTTP streaming, WebRTC, and WebSockets**. Built POCs and finalized a **WebSocket-based production pipeline**, unblocking core architectural decisions.
- Refactored consumption services around a profiled, **WebSocket-driven execution flow. Fixed race conditions, improved observability**, and delivered a stable backend used by frontend teams for real-load validation.
- Led Go backend service refactors and production hardening. **Drove service restructuring, workflow design, CI/CD setup, and production deployment. Improved release safety, engineering quality, and development velocity**
- Built core GenStudio platform systems end-to-end. **Agentic chat platform using AGUI protocol, real-time collaboration(YJS + Go + NATS)**, and a **pricing DSL with credit locking and Stripe integration**. These directly enabled monetization, collaboration, and AI product workflows.
- Initiated Flam **open-source and technical presence efforts to improve engineering visibility and long-term ecosystem leverage**

### Backend Engineer

*Qube Cinema Technologies*

August 2023 – August 2025

*Remote (Chennai, IN)*

- Redesigning a **microservice responsible for ingesting ads to XP4, Dolby, and GDC servers** and fetching logs for several **global screens** using Golang
- Created tools that help the support team understand the status of schedule ingest timing and errors in Excel, **significantly reducing efforts and saving time**
- Developed and designed microservice infrastructure that has delivered more than **2 million advertisements** on screens per month
- Continuously adding new features to the service, making it self-healing and intelligent
- Developed various **Golang microservices** to support operational logs and infrastructure-level checks
- Worked extensively in a **Kubernetes environment** to deploy and manage Golang microservices
- Designed and developed an **LLM-based microservice** to automate manual approval workflows, significantly reducing human intervention. Acted as the key developer responsible for end-to-end design and implementation

### Software Engineer (FullStack)

*Altair Engineering*

June 2021 – August 2023

*Bangalore, IN*

- Designed and built an **entire Backend Flow using Golang, Redis, and Clickhouse DB** for a **data analytics product, resulting in a high-performance and scalable system**
- Developed an **ETL pipeline in a microservices architecture.** using Benthos & Redis Infra
- Implemented **data caching and management using Redis**, optimizing data retrieval and **reducing latency**
- Utilized Clickhouse DB for **data storage and retrieval**, enabling **fast** and efficient querying of **large datasets**
- Experienced in **containerization using Docker**, facilitating deployment and management of the **ETL pipeline**
- **Migrated** a daemon Micro-service from **Java to Golang** and **decrease the CPU utilization by 200% to 80%**, which is responsible to control the entire life cycle of the back end

## Mentor - Parttime

May 2022 – March 2025

Scaler Academy

Bangalore, IN

- Mentored students at Scaler Academy on career planning and technical growth. Resolved curriculum-level doubts, debugged projects, and provided hands-on technical guidance to prepare candidates for product-based engineering roles.

## PROJECTS

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**MoniGo (Opensource)** | *Github Repo 390+ Stars* Golang

- MoniGo** is a **performance monitoring library** for **Go applications**. It provides **real-time insights** into application performance with an intuitive user interface, enabling developers to track and optimize both **service-level** and **function-level metrics**

**Go Adaptive Pool (Opensource)** | *Github Repo 30+ Stars* Golang, Vanilla Js

- go-adaptive-pool is a **bounded worker pool** for **Go** with an **adaptive worker lifecycle** and **explicit backpressure**, designed to keep systems stable under bursty load.
- This pool focuses on controlling **concurrency and memory usage** when **job submission** can outpace processing.
- The goal is not to maximize throughput at all costs, but to prevent unbounded **goroutine growth**, **avoid OOMs**, and **force overload to be handled explicitly instead of crashing later**.

**GoCron UI (Opensource)** | *Github Repo 41+ Stars* Golang

- gocron-ui** a **lightweight, real-time web interface** for monitoring and controlling gocron scheduled jobs. It provides a complete **solution for visualizing job schedules, tracking execution status, and managing jobs through an intuitive web dashboard**

**FynCut (SAAS)** *fyncut.io* Next.js, AWS, GCP, Modal for GPU, PostgreSQL, Vercel

- FynCut is an innovative platform that **leverages AI to transform long-form podcasts into engaging short clips, making it easier for creators to share their content on social media and reach a wider audience**. With FynCut, **podcasters can effortlessly generate captivating snippets** that highlight the most interesting and **shareable moments from their episodes, helping them grow their listener base and increase engagement across various platforms**

**GoCron (Opensource Contribution)** | *Github Repo 6,900+ Stars* Golang

- PR #884** feat: Add option to calculate intervals from job completion time for interval-based scheduling (fixes #565)
- PR #889** feat: Add scheduler lifecycle monitoring (fixes #785)

**GoFr (Opensource Contribution)** | *Github Repo 15,400+ Stars* Golang

- PR #2825** feat: Add support for exporting metrics in Cron Jobs #2825 (fixes #2651)

## TECHNICAL SKILLS

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**Languages:** Golang, Python, Postgres, MongoDB, MySQL, C++

**Frameworks:** React, Node.js, Flask, Material-UI, FastAPI

**Developer Tools:** Git, NATS, Redis, Kafka, Docker, Podman, Kubernetes, AWS, Google Cloud Platform, VS Code, Supabase, Appwrite

## PUBLICATIONS

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Google Scholar Profile

- Y. Chauhan. Cardiovascular disease prediction using classification algorithms of machine learning. IJSR Volume 9, Issue 5. Page 144-200 – This study evaluates standard machine learning models (Logistic Regression, Random Forest, KNN, SVM, Decision Tree) for early prediction of cardiovascular disease using hospital data. Experiments in Python compared model accuracy and overall risk prediction performance.
- A. Duggal and Y. Chauhan. Different sorting algorithms comparison based upon the time complexity. International Journal Of Research And Analytical Reviews, Issue 3 , Pages 114-121 – This paper compares bubble, selection, insertion, merge, and quick sort based on time and space complexity and experimental performance. Results show that insertion or selection sort works best for small datasets, while insertion or bubble sort performs well on nearly sorted data.