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Summary

Backend and systems engineer with 4+ years of experience building distributed workflows, search infrastructure, and reliable product platforms in Go. Shipped revenue-driving search and ETA systems, secure workflow integrations, and macOS-native developer tools. Building model-integrated systems with explicit reliability, evaluation, and operational constraints.

Experience

Feeble

Apr 2025 – Present

Senior Software Engineer

Jul 2025 - Present

- On **CaseFlow**, replaced a brittle legal-filing matcher with a confidence-scored **char n-gram TF-IDF classifier**, raising five-fold validation accuracy from **60% to 89%** on a **657-document** set; added operator review and replay-safe Temporal reprocessing
- On **CaseFlow**, implemented **HIPAA-focused PHI** storage and restore controls, including **encrypted data volumes**, boot-time Docker blocking when encrypted storage is unavailable, and **SSH host-key pinning** before decrypted backup streams
- On **Coop**, built a cross-platform messaging relay with durable attachment delivery, organization-scoped storage, encrypted local state, Redis-backed recovery, and a **signed, notarized macOS alpha release**
- Built a **Go** email-orchestration service with **nine Temporal workflows**, durable audit trails, and failure-aware processing for transactional, recruitment, and compliance communications

Senior Consulting Engineer

Apr 2025 - Jun 2025

- Redesigned podcast studio management UI using **Next.js**, shipped automated thumbnail generation as a **Supabase Edge Function**

Flexprice

Feb 2025 – Jul 2025

Senior Consulting Engineer

- Developed a PDF invoice generation system using **Typst**, with reusable templates and a service-oriented rendering architecture
- Architected an end-to-end **Stripe Sync** workflow for usage-based billing, handling customer and subscription synchronization through webhook listeners
- Built a **Temporal** workflow for event aggregation and Stripe API synchronization with configurable batch intervals and audit logging

Zomato

Jul 2022 – Dec 2024

Software Engineer II

Jul 2024 - Dec 2024

- Led the "Near and Fast" homepage feature, implementing an ETA approximation pipeline with **Redis**, **Kafka**, and **DynamoDB** that delivered **Rs. 4M** in monthly incremental net margin
- Improved the autosuggest leader-election algorithm, increasing CTR and generating an additional **Rs. 0.7M** in monthly net margin through dish-page ad conversions
- Established an autosuggest partnership-integration system serving **2,500+** corporate employees at CRED and MakeMyTrip
- Built an autosuggest debugger that gave developers granular control over code paths during investigation and testing
- Led a dish-discovery homepage revamp, replacing the "What's on your mind" section

Software Engineer I

Jul 2022 - Jun 2024

- Enhanced dish-search re-ranking, optimizing delivery distance and yielding **Rs. 18M** in monthly incremental net margin
- Implemented low-supply restaurant backfilling for dish search, improving order-through rate by **0.5%**
- Architected a distributed catalog-search system indexing **100M+ SKUs** in **Solr**, with query relevance scoring and integration into the existing search platform
- Developed a full-stack dish-tagging dashboard in **Go** and **React**, with bulk CSV processing and **DynamoDB** persistence for manual overrides

- Integrated a personalization-model re-ranker with dynamic ad positioning, event logging, and **Grafana** monitoring

Groww

Jan 2022 – Jul 2022

Software Engineering Intern

- Redesigned the Help and Support microservice with a modular Java architecture
- Developed RESTful APIs for the Chatbot microservice to accelerate user-query resolution
- Created a **Kafka** and **Go** event-ingestion service to track and analyze user activity

Education

Georgia Institute of Technology

Atlanta, GA (Online)

Master of Science in Computer Science; Specialization: Machine Learning

Jan 2026 – Present

Vellore Institute of Technology

Vellore, TN, IN

Bachelor of Technology in Computer Science and Engineering; CGPA: 9.09/10

Jul 2018 – Jun 2022

Projects

Romp | Go, SQLite, GitHub CLI

2026

- Built an **open-source Go CLI and interactive TUI** that claims labelled GitHub issues, runs coding agents in **isolated worktrees**, independently re-runs verification, applies a multi-lens review gate, and opens pull requests
- Designed atomic issue claiming with a unique job record and GitHub labels so concurrent watchers do not duplicate work

Katagami | Go, PostgreSQL, S3, Typst

2026

- Built a **self-hosted PDF rendering API** with schema-validated, immutable templates and content-addressed S3-compatible storage
- Used a supervised worker pool with hard deadlines and crash isolation; measured **2,151 req/s** with zero failures on a stated invoice workload

Carhelp (under development) | Go, Python, PostgreSQL, pgvector

2026 – Present

- Building a grounded Indian car-recommendation system from source-linked claims, with model-assisted query planning and **bounded concurrent lookups**
- Preparing an SLM fine-tuning dataset from stored teacher inputs and outputs; evaluation will compare held-out claim fidelity, yield, and cost

Voice Agent | Go, Temporal, Deepgram, Gemini

May 2026

- Built a real-time conversational voice agent in **Go** with a two-loop **Temporal** workflow, **Deepgram Flux** streaming STT, Gemini function calling with Grounded Search, and PCM-streamed TTS playback
- Built a post-conversation assessment pipeline that converts transcripts into structured skill-rating outputs for human-reviewed candidate workflows

Open Source Developer Tools | Go, cgo, EventKit

2021 – Present

- Author of **gtasks** (149★), **healthsync** (57★), **rem** (53★), and **ical** (51★) — Go CLI tools for managing Google Tasks, Apple Health, Reminders, and Calendar from the terminal
- Built **go-eventkit**, a Go-to-Objective-C bridge via cgo for native macOS EventKit access; used as a dependency by **rem** and **ical**

Technical Skills

Languages: Go, TypeScript, Python, JavaScript

AI/LLM: OpenAI API, Gemini API, Claude API, Deepgram (STT/TTS), LLM function calling, model-integrated workflow design

Tools/Frameworks: Temporal, Docker, Git, React, Next.js, Solr, Grafana, Datadog, AWS (ECS, EC2, DynamoDB)

Databases/Infra: PostgreSQL, Redis, MySQL, DynamoDB, Supabase, Kafka, Cloudflare R2