Adarsh Jaiswal

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Work Experience

Samora AI **June 2026 – Present**

Software Engineer *Golang, Python, AWS, LiveKit, Redis, PostgreSQL*

- Architected a multi-region two-way AI SMS omnichannel platform integrating Plivo (US/Global) and MSG91 (India DLT at 60 SMS/s) with LiteLLM, featuring an asynchronous Postgres-backed event queue and Human-in-the-Loop (HITL) escalation workflows, automated least-loaded operator queue routing, and live monitoring.
- Designed a capacity-gated campaign admission controller in Go/Python utilizing `pg_notify` and AWS ECS autoscaling (100–200 concurrent calls), implementing custom ECS task scale-in protection and LiveKit worker graceful drain (`drain_timeout`) to eliminate dropped calls during scale-down.
- Engineered a high-throughput Call Link Campaign microservice processing batched CSV contact uploads, injecting dynamic template variables into LiveKit WebRTC participant tokens for direct browser-to-agent voice streaming without telephony overhead.
- Led SOC2 backend security hardening: engineered HttpOnly cookie session management with refresh token rotation, Redis `jti` denylist revocation, double-submit CSRF protection, cross-tenant IDOR validation, and prompt XSS sanitization.
- Spearheaded v2 modular architecture migrations and distributed tracing across Gin, PostgreSQL, and Redis using Datadog APM and structured Zap logging, while engineering agent configuration draft versioning, rollback, and one-click cloning pipelines.

The Bridge - Stealth Startup **February 2026 – May 2026**

Contract Software Engineer *Golang*

- Sole engineer on a production social platform for Seafarers, owning every architectural decision across the Go backend, React Native mobile client, PostgreSQL data model, AWS infrastructure, and release process.
- Built scalable backend systems in Go and Gin covering cursor-paginated feed generation, JWT authentication with refresh-token rotation, real-time chat over WebSockets, push notifications, S3-compatible media handling, and PostGIS geospatial search, designed around production access patterns with targeted indexing for low-latency reads.
- Established production-grade engineering practices by implementing clean architecture across controller, use case, and repository layers, structured observability with Zap, authentication and authorization middleware, centralized error handling, cross-field input validation, versioned SQL migrations, and performance-focused query optimization.
- Owned deployment on AWS, running the containerized service on Amazon ECS behind a GitHub Actions pipeline that gates every merge on automated tests and static analysis, authenticates through OIDC federation instead of long-lived credentials, publishes immutable images to Amazon ECR, and injects runtime configuration from AWS Secrets Manager, with an embedded BadgerDB on-disk cache serving hot reads.

Zocket **December 2025 – February 2026**

Software Engineer I *Golang*

- Developed an internal dashboard for ad account performance and rejection insights, and added a custom landing-page scraper with a cron-based precomputation pipeline for 5,000+ ad accounts, reducing dashboard latency and improving scraping time from 60s (Firecrawl) to 3s.
- Engineered a concurrent scraping engine using goroutines and worker pools to process multiple URLs in parallel, implementing rate limiting, retry logic, and structured data extraction (products, prices, ratings, media); reduced Firecrawl dependency and cut costs by 70%.
- Optimized MySQL queries and added Redis Caching to reduce dashboard latency from 1-2 minutes to ∼10 seconds and designed retry and backoff mechanisms for external API failures to ensure system reliability.

Zocket **May 2025 – November 2025**

Software Engineer Intern *Golang, Python*

- Created a Meta compliance agent using LangChain and LangGraph that scrapes landing pages, analyzes content against Meta advertising policies, and determines business eligibility for ad account provisioning reducing manual review effort by 70%.
- Designed an agentic social media platform using LangChain and LangGraph to automate brand analysis and multimodal content generation (images, videos, captions, hashtags), including special-day campaigns across Facebook, Instagram, and TikTok, used by the internal marketing team to generate 30+ posts/week.
- Integrated a global billing infrastructure using Sphere, enabling country-specific tax computation and automated overage metering across 120+ countries; integrated KYC into the payment flow for compliant and secure onboarding.

CardLift (YC S24) **November 2024 – December 2024**

Contract Software Engineer *Browser Extension, Element Selectors*

- Implemented and maintained 50+ multi-platform automation workflows for credit card migration and payment configurations using modular scripting and decision logic.

The Saas Company **April 2024 – June 2024**

Software Developer Intern *Golang*

- Authored and open-sourced **Xray**, a Go library for extracting and standardizing database schemas across MySQL, PostgreSQL, Snowflake, Redshift, BigQuery, and MSSQL, along with a Cobra-based CLI which got adopted in 2+ production projects.

Shipwright

Open Source Contributor

- Contributed to Shipwright, a Kubernetes-native framework for building container images; collaborated with the Release Engineering team to improve CLI and build workflows, implemented feature enhancements and **bug fixes** across the build controller, and contributed to developing the new Shipwright **website** to improve documentation, onboarding, and developer experience.
- Launched **Shipper**, a developer playground and internal platform that demonstrates how organizations can leverage Shipwright APIs to automate container image builds on Kubernetes without writing Dockerfiles, supporting multiple build strategies such as Buildpacks, Kaniko, ko, and BuildKit.

Projects

Mailify | *Golang* **Go Docs** | **Github**

- Built a scalable Go package for bulk email verification by validating syntax, checking DNS (MX) records, and simulating SMTP sessions—cutting mass email failure rate by over 80%.
- Developed a user-friendly CLI tool using Cobra that performs real-time email verification and domain lookup in a single command.

Technical Skills

Languages: Go (Golang), Python
Databases: PostgreSQL, MongoDB, Redis, Pinecone, BadgerDB
Tools/Frameworks: Gin, Cobra, Viper, LangChain, LangGraph, FastAPI, Git, Docker, Kubernetes, AWS, LiveKit

Education

IES Institute of Technology and Management **2022 – 2026**
Bachelor's of Technology in Computer Science and Engineering *CGPA 7.59*