

Shreyash Srivastava

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EDUCATION

Dayananda Sagar College of Engineering

Bachelor of Engineering in Computer Science; GPA: 8.75

Bangalore, India

July 2024 – Present

SKILLS SUMMARY

Languages: Python, Golang, TypeScript

Technologies/Frameworks: Gin, Next.js, Flask, Django

Databases/Tools: Git, CI/CD, PostgreSQL, MongoDB, Docker, Monitoring tools

EXPERIENCE

Seeqlo

Remote

Backend Developer: Go (Gin), Firebase, Stripe

Aug 2025 – Feb 2026

- Integrated **Stripe** for secure payments and implemented a **token-based credit system** to control user access and resource consumption.
- Migrated a legacy backend from **Express.js** to **Go (Gin)** to enhance performance, and refactored a monolithic codebase into modular components to improve maintainability.
- Built a community administration interface enabling admins to **monitor user activity** and **manage platform content**.

Ignito Co.

Remote

Backend Developer: Go (Gin), Next.js, MongoDB, Supabase

July 2025 – Aug 2025

- Built an inventory management system using **Next.js** and **Supabase** to ingest and process large Excel datasets, optimizing the pipeline to reduce processing time from **7 minutes to 16 seconds**.
- Engineered a **full-stack** application using **Go (Gin)** and **MongoDB** to manage the end-to-end lifecycle of purchase orders, bills, and inventory tracking via scalable RESTful APIs.

OPEN SOURCE CONTRIBUTIONS & PROJECTS

Debian - Salsa CI

 Salsa

Open Source Contributor

- Migrated the base-image build pipeline to use **mmdebstrap** and **buildah**, replacing external **Docker Hub** pulls with native archive builds to resolve rate-limiting errors.
- Added CI test case for the **Debian Trixie** release, utilizing the **grep** package to validate build compatibility and testing environment readiness.

OpenTelemetry Operator

 OpenTel

Open Source Contributor

- Implemented automated Markdown link validation using **Linkspector** with **GitHub Actions**, running on pull requests and a weekly **cron** schedule to prevent documentation regressions.
- Deprecated the **volumeSizeLimit** field across all language-specific instrumentations and added a **validating webhook** to emit warnings for deprecated usage.

Kharagpur Winter of Code – KWoC Backend

 KWoC

Backend & Observability Contributor

- Added a production-grade observability stack using **Prometheus**, **Grafana**, **Node Exporter**, and **Alertmanager**.
- Implemented automated alerts for server downtime and resource threshold breaches with **Slack-based notifications**.

SiMG (DICOM Guardian)

 SiMG

A cross-platform Electron application that cryptographically verifies medical DICOM images

- Built a cross-platform **Electron** app to cryptographically verify **DICOM** medical images, blocking supply chain attacks before AI inference.
- Architected a zero-trust pipeline using **seccomp-BPF** and isolated **Docker** sandboxes to safely route validated images to a **MONAI** model.
- Implemented a fault-isolation system to clearly distinguish malicious security breaches from standard runtime errors.

ACHIEVEMENTS

- Won Unique Idea award at Hack-Nocturne '26 held at SMVIT - March 2026
- Recipient of the **LiFT Scholarship** awarded by The Linux Foundation - June 2025
- Won Coding Relay held at Dayananda Sagar College of Engineering – March 2025
- Ranked Top 9 out of 63 teams in HackOasis V2 Hackathon – November 2024

VOLUNTEER EXPERIENCE

Member, PointBlank

Bangalore, India

A community focused on developing industry-ready engineers and well-rounded individuals.

Dec 2024 – Present

- Maintained and enhanced the **PointBlank**, **Zenith** and **Careers** Website.
- Integrated **Swagger documentation**, resolved **Cloudinary** issues, and improved **CI reliability** by fixing build/labeller failures and automating database backups via **cron job**.
- Implemented **Mailu** mail server for emails and monitoring stack using **Prometheus** and **Grafana** for metrics visualization, automating Kubernetes deployments via the **ArgoCD** Apps of Apps pattern.