

Abhigya Shridhar

Gurugram, India | +91-9424834655 | abhigyashridhar101@gmail.com

[GitHub](#) | [in LinkedIn](#) | [Portfolio](#)

SUMMARY

Backend engineer with 2.5+ years building payments infrastructure processing **INR 1B+ monthly** at **Spinny**. Core expertise in Python, Go, Backend, Microservices, distributed systems (Kafka, Celery), and database architecture. Open to relocation.

TECHNICAL SKILLS

Languages	Python, JavaScript, SQL, Go
Frameworks	Django, Flask, FastAPI, Django REST Framework, GraphQL, SQLAlchemy
Infrastructure	Apache Kafka, Apache NiFi, Redis, Celery, AWS (SQS, DMS), Google Cloud, Docker
Databases	PostgreSQL, MongoDB, Read/Write Replica Architecture
Practices	REST API Design, CI/CD, Pytest, System Design, Monitoring (Grafana), Git

EXPERIENCE

Spinny Gurugram, India
Software Development Engineer --- Payments, Demand May 2023 -- Present

- Led development of a multi-bank **payment gateway**, reducing payment drop-outs by **31%**, increasing online payments by **12%**, and directly saving **1%** in transaction fees.
- Architected an internal **SaaS tool** unifying multiple gateway integrations, reducing on-boarding time for new payment accounts by **90%** and standardizing flows across business teams.
- Optimized **Celery workers** with long polling and concurrency control, reducing API calls to **AWS SQS by 50%**.
- Implemented **database routing** to completely isolate the payments system from the monolith, offloading **20%** of production traffic and eliminating **AWS DMS** replication lag.
- Extended Django **ORM** and **GraphQL** layer to support cross-database queries with **read/write replica separation** for database load balancing.
- Built "Progressive Dialer," a demand-generation tool using **Node.js** for IVR call dispatch, handling **200k+ calls/day** and managing callback data pipelines.
- Architected a comprehensive **audit framework** with configurable logging, middlewares, and database hooks for seamless cross-service integration.

Spinny Remote
Technical Consultant (Internship) Oct 2022 -- Mar 2023

- Architected and built an internal **CRM system** consolidating organization-wide employee data with multi-level access controls and audit logging, using **Kafka, Celery, AWS, Docker**, and Python.
- Built an **event-driven pipeline** on **Google Cloud** to automate onboarding/offboarding tasks including access revocation and data backups, clearing a **10k+ task backlog**.

Examarly Remote
Software Development Engineer (Internship) Dec 2021 -- Jun 2022

- Built the backend from scratch for a new ed-tech app using **FastAPI** and **SQLAlchemy**, including **JWT**-based authentication and community features, scaling to **100k+ users** studying and participating in community discussions.
- Implemented **Pytest**-based **testing infrastructure** with high coverage, enabling reliable CI/CD deployments.

PROJECTS

- **Django Core Contribution:** Authored a patch for [Ticket #35974](#), fixing misleading errors in `RelatedManager.add()` when objects are loaded from a read replica – identified during production scaling at Spinny.
- **CodeContext CLI:** Published a Python CLI tool that automates test generation for legacy codebases using **RAG-based flow tracing** and a **LangGraph agent** with Claude for generation.
- **State machines framework:** Designed and open-sourced a reusable **state-machine framework** for simplifying complex workflows, published as a **PyPI package**, and implemented a targeted enterprise version using **Kafka** and **NiFi** for transaction processing at Spinny.

AWARDS

- Won "Driven by Customer" award at Spinny for impact delivered by the payments team.
- **3x MLH Global Hackathon Winner** – built a **gamified sports platform** (Django), a **Javascript browser extension** for implementing child lock and a **crop suitability algorithm** using geo-tagging and spatial queries.

EDUCATION

Indian Institute of Information Technology, Una [🔗](#)
B.Tech. Computer Science (7.2 CGPA)

Una, H.P., India
2019 -- 2023