

# SAMIUL SK

Senior Backend Engineer – Python & Golang

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## PROFESSIONAL SUMMARY

Senior Backend Engineer with 6 years of experience building robust, scalable systems used by millions. Specialized in Python for rapid iteration and ecosystem maturity, and Golang for concurrency and performance. Delivered in high-growth environments spanning fintech, e-learning, and SaaS. Designed data pipelines processing 1M+ events daily and built APIs handling \$1M+ monthly transactions.

**What I bring:** Microservices expertise — Polyglot development — System-level thinking — Team-first leadership

## TECHNICAL SKILLS

**Languages & Frameworks:** Python, Golang, Django, Django REST Framework, Gin, FastAPI, Flask, Celery

**Go Ecosystem:** Goroutines, Channels, gRPC, Protocol Buffers, Go Modules, Testing, Benchmarking

**Python Ecosystem:** Django ORM, SQLAlchemy, Alembic, Pytest, Celery, Asyncio

**Architecture:** Microservices, REST APIs, Event-Driven Systems, TDD

**Cloud & Infrastructure:** AWS (Lambda, S3, Kinesis), Docker, Kubernetes, Nginx

**Databases:** PostgreSQL, MySQL, DynamoDB, Redis, Elasticsearch

**DevOps & Security:** CI/CD, Git, Linux Shell, Containerization using Docker

**Messaging:** Kafka, RabbitMQ, AWS Kinesis

## PROFESSIONAL EXPERIENCE

**Senior Software Engineer (Backend), LearningMate**

Feb 2024–Nov 2024

Kolkata, India

- Built Alembic migration system reducing deployment errors by 90%.
- Integrated OpenAI LLM with session persistence, improving engagement by 35%.
- Wrote unit and integration tests across microservices with Pytest and Go's testing suite, increasing coverage and stability.
- Migrated to S3/CloudFront with secure cookie-based auth, reducing asset latency by 40%.

**SDE II (Backend), Pace Enterprise**

Apr 2022–Feb 2023

Remote, India

- Developed Golang APIs for financial settlements handling \$1M+ monthly.
- Migrated 50K+ users via Python scripts with zero downtime.
- Implemented routing layer between Python monolith and Go microservices.
- Unified Python and Go services under RESTful architecture.

**SDE (Backend), Rely**

Feb 2020–Apr 2022

Remote, India

- Architected event pipeline (Python + Go + AWS Kinesis) for 1M+ events/day under 100ms latency.
- Integrated E-KYC with Veriff in Python, reducing fraud by 85%.
- Migrated infrastructure to Kubernetes, reducing build time by 55%.
- Developed Slack-based alerting system in Python, improving MTTR by 70%.
- Built Stripe-based payment flow in Python with 99.95% success rate.

**Backend Engineer, Onet**

Nov 2019–Feb 2020

Bangalore, India

- Developed Python and Ruby SDKs for ImageKit CDN (500+ dev users).
- Created Go event platform (Gin) supporting 1000+ concurrent bookings.
- Mixed Python (data-heavy) and Go (concurrency-critical) services in production.
- Built Go-Redis notification service, improving throughput by 60%.

**Backend Developer, Digital Aptech**  
Kolkata, India

May 2018–Jul 2019

- Built Python BNPL SDK for transactions worth \$500K+ monthly.
- Developed Go backend for inventory tracking with 50% performance gain.

## KEY PROJECTS

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- **Real-Time Pipeline:** Python ingestion + Go processing on AWS Kinesis for 1M+ daily events, 99.9% uptime.
- **Financial Engine:** Go-based APIs + Python logic processing \$1M+/month securely.
- **Event Platform:** Gin (Go) backend + Python admin for 1000+ concurrent users.
- **Go-Python Integration:** Orchestrated hybrid system for seamless migration of 50K+ users.

## EDUCATION

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<b>B.Tech in Computer Science &amp; Engineering</b>	IEM, Kolkata	2017
<b>Diploma in Computer Science &amp; Technology</b>	Dumkal Polytechnic	2014

## CERTIFICATIONS

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- Foundations of Cybersecurity – Google (Coursera), 2025
- Programming using Python – NPTEL
- Advanced Django Development – Udemy

## LANGUAGES

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English (Professional), Hindi (Bilingual), Bengali (Native)