

SANJIT SHRESTHA

Software Architect & Senior Engineer

Java · Spring Boot · Cloud & Microservices · AI Integration

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PROFESSIONAL SUMMARY

Software Architect and Senior Engineer with 6+ years delivering scalable, cloud-native systems across fintech, logistics, and AI platforms. Expert in leading teams of 30+, architecting high-availability microservices, and integrating AI/ML into production systems. Available for remote engagements worldwide.

6+ Years Experience

15+ Products Shipped

30+ Engineers Led

WORK EXPERIENCE

Software Architect | Software Engineer

Syansoft Technologies Pvt. Ltd. — Gurugram, India (Remote)

Sep 2022 – Present ▲ CURRENT

- ▶ Architect and lead development of enterprise-grade Spring Boot microservices platforms across real estate, fintech, and logistics domains
- ▶ Lead and mentor cross-functional engineering teams; establish coding standards, code review processes, and architectural blueprints
- ▶ Integrate AI/ML capabilities (ChatGPT 4o, LangGraph, AI Assistants) into core product workflows, significantly automating business processes
- ▶ Design cloud-native infrastructure on AWS (Elastic Beanstalk, RDS, ElastiCache, S3, CloudFront, CodePipeline) with Docker & Kubernetes orchestration
- ▶ Drive security hardening initiatives: JWT-based auth, role-based access control, and compliance-aware data handling
- ▶ Deliver system design documentation and technical specifications for all major architectural decisions
- ▶ Delivered enterprise solutions for a Big 4 professional services client — architecting high-compliance, multi-tenant platforms under strict data governance and SLA requirements

Tech Lead / Senior Software Engineer

Treeleaf Technologies Pvt. Ltd. — Lalitpur, Nepal

Jul 2020 – Sep 2022

- ▶ Led end-to-end SDLC for multiple product lines — requirements gathering, system design, development, testing, and deployment
- ▶ Designed and built RESTful APIs and gRPC services handling millions of requests monthly with sub-100ms p95 latency
- ▶ Architected scalable microservices using Spring Boot, Kafka for event streaming, and Redis for caching layers
- ▶ Integrated third-party services: ACH/Stripe payment gateways, Plaid, Comdata card services, USPS postal APIs
- ▶ Responsible for engineering hiring, onboarding, and technical evaluation of new team members

Software Engineer I (Backend)

Three Monks Pvt. Ltd. — Gathaghar, Nepal

Nov 2019 – Jul 2020

- ▶ Designed and developed REST APIs in Spring Boot, deployed on Vue.js frontends serving thousands of daily active users
- ▶ Analysed legacy codebases to identify architectural bottlenecks and implemented targeted performance improvements
- ▶ Delivered new features iteratively with comprehensive unit tests and documentation

Cloud Analyst (Backend)

CloudFactory — Tripureshwor, Kathmandu

Jul 2019 – Sep 2019

- ▶ Optimised complex SQL queries for analytical workloads, reducing execution time by up to 40%
- ▶ Researched and implemented data pipeline improvements to support cloud team reporting requirements

TECHNICAL SKILLS

Backend	Java 17+, Spring Boot 3.x, JPA/Hibernate, Play Framework, RESTful APIs, gRPC, SOAP, Kafka, Google Protocol Buffers, Liquibase, FastAPI (Python), Django
Cloud	AWS (Elastic Beanstalk, RDS, S3, CloudFront, CodePipeline, WAF, Secrets Manager), Azure (Blob Storage, Cognitive Services, Cache for Redis), GCP
DevOps	Docker, Kubernetes, CI/CD Pipelines, Nginx, GitHub Actions, AWS CodePipeline, Load Balancing, Service Discovery
Databases	PostgreSQL, MySQL, Microsoft SQL Server, Oracle, MongoDB, Redis, Elasticsearch, SQLite
AI / ML	LangGraph, LangChain, OpenAI API (ChatGPT 4o/Assistants), Voyage AI Embeddings, Azure PII Redaction, Playwright/Browser Automation
Frontend	Vue.js, React (integration), JavaScript/TypeScript, HTML/CSS
Integrations	Stripe, ACH, Plaid, Comdata, USPS, Stamps.com, ChatGPT API, Azure Cognitive Services, Webshare Proxy
Architecture	Microservices, Monolithic, Event-Driven, Domain-Driven Design, API Gateway patterns, CQRS
Practices	Agile/Scrum, Code Reviews, Technical Documentation, Team Mentorship, System & Database Design

KEY PROJECTS

Financial Services Platform

- Architected a comprehensive fintech platform integrating ACH, Plaid, and Stripe payment rails serving 10,000+ active users with 99.9% uptime and 1M+ transactions/month

Real Estate Property Management Platform

- Designed and built a full-stack property management system with Spring Boot microservices, JWT auth, role hierarchy, HighValueActivity audit logging, and Flyway-managed schema migrations

AI Document Processing Pipeline (CTCC / Pixie)

- Built an AI-powered document intelligence pipeline on AWS: Voyage AI embeddings, Azure PII redaction, Celery/Redis task queue, Azure Blob Storage, deployed via Elastic Beanstalk with CloudFront CDN

PortalFlow — Stateful Browser Automation Platform

- Engineered an intelligent browser automation system (Django, LangGraph, Playwright) for extracting tax data from India's Income Tax Portal, with human-like interaction simulation and proxy management

Enterprise Logistics Management System

- Built an enterprise logistics platform with real-time tracking, automated billing, fleet management, and a multi-service microservices architecture (tracking, billing, notification services)

High-Performance API Gateway

- Designed and implemented a scalable API gateway processing 1M+ daily requests with advanced load balancing, circuit breakers, rate limiting, and observability

EDUCATION

Bachelor of Computer Engineering (B.E.)

Nepal College of Information Technology, Pokhara University

2015 – 2019

Higher Secondary Education (Science / +2)

Nobel Higher Secondary School — HSEB Board

2013 – 2015

School Leaving Certificate (SLC)

Sainik Awasiya Mahavidhyalaya — National Examination Board

2006 – 2012

Primary Level Education

Nyatapola Secondary School — PABSON Board

2002 – 2005