

SUYOG ADHIKARI

SENIOR FULL-STACK ENGINEER · FRONTEND, BACKEND & CRYPTOGRAPHY

iamgoyus@gmail.com · +977-9843478435 · Bhaktapur, Nepal · [LinkedIn](#) · [GitHub](#)

PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 7+ years building end-to-end products, from React/Next.js frontends and cross-platform desktop apps to distributed backend systems and high-throughput APIs, in TypeScript/Node.js, Rust, and Python. Strong background in applied cryptography, security, and blockchain, including end-to-end encryption, digital signatures, and smart-contract systems, with a strong record of translating ambiguous product requirements into well-architected, maintainable systems. Have led engineering teams of 5 to 10+, owning architecture, code review, and delivery from design through production.

EXPERIENCE

Senior Backend Engineer | [Money Mitra](#) | Remote

Sep 2026 – Present

- Building the new backend in Python/Django on a clean architecture, rebuilding the API domain by domain.
- Migrating off the legacy system safely.
- Reviewing every change for bugs and security holes, writing tests.
- Deploying and running the services, verifying them on dev and staging, and handing clear contracts and docs to frontend and other developers.

Tech Lead | [Venture23](#) | Remote

Jan 2025 – Sep 2026

Engineering studio building backend platforms, data infrastructure, and consumer products.

- Led a team of 5 to 10+ engineers across frontend, backend, and infrastructure workstreams, owning architecture, code review, and the release process.
- Built KIOSK-INDEXER, a Rust-based Sui blockchain indexer and analytics platform, with real-time on-chain event ingestion into PostgreSQL and query APIs, powering multiple data products.
- Built security-sensitive features across products, including cryptographic and signature-based verification.
- Built autonomous AI-agent systems that orchestrate LLMs via OpenAI and Anthropic (Claude) APIs and MCP (Model Context Protocol) to coordinate multi-step workflows.
- Architected event-driven backend services and high-throughput APIs backing production applications.
- Shipped fully on-chain games in Move, owning delivery from contracts through backend to client integration.
- Core organizer of Sui Hacker House Kathmandu.

Senior Software Engineer | [Venture23](#) | Remote

May 2022 – Jan 2025

- Delivered full-stack features across React/Next.js frontends and Node.js/TypeScript backend services for production products.
- Designed high-throughput REST APIs and distributed services, and designed Web3 infrastructure and products.
- Coordinated cross-functional delivery, guided architecture decisions, and mentored engineers.
- Delivered a social-impact application end to end, owning frontend, backend, and product decisions.

Software Engineer | [Venture23](#) | Remote

Nov 2019 – May 2022

- Built the backend APIs, indexers, and analytics pipelines supporting different smart contracts across EVM-compatible chains.
- Built data indexers and analytics pipelines for transaction decoding and user-activity insights.
- Contributed across the full stack: React/Next.js frontends, backend services, system design, and deployment.

Software Developer Intern | [TechFlow.space](#) | Kathmandu, Nepal

Aug 2019 – Nov 2019

- Built Python and Django data-analytics tooling to process and visualize datasets.
- Developed a Python Telegram bot for automation and user interaction.

Freelance Developer (concurrent) | Self-employed | Remote

Apr 2020 – Apr 2021

- Built a Django news-aggregation backend with API integrations and scheduled content pipelines.
- Delivered Python and Selenium data-extraction pipelines covering automated scraping, transformation, and cleaning.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (Node.js), Rust, Python, Solidity, Move

Frontend: React.js, Next.js, HTML5, CSS, responsive UIs, REST / WebSocket integration

Backend & Systems: NestJS, Express, Django, REST APIs, WebSockets, event-driven architecture, microservices, distributed systems

Desktop: Electron (cross-platform desktop apps with React/JS frontends, electron-builder packaging)

Data & Messaging: PostgreSQL, MySQL, MongoDB, Redis, BullMQ (queues), caching & invalidation, data-indexing pipelines, Prisma

Cryptography & Security: encryption (AES), hashing (SHA), digital signatures, key management, end-to-end / client-side encryption

AI & LLM: OpenAI APIs, Anthropic (Claude) APIs, MCP (Model Context Protocol), autonomous AI agents

DevOps & Cloud: Docker, GitHub Actions (CI/CD), Nginx, AWS (Lambda, EC2, S3, RDS)

Blockchain: EVM, Sui, Tezos, Stellar, smart contracts, on-chain indexing

NOTABLE PROJECTS

Encrypted_X: End-to-end encrypted social feed with client-side encryption, so only the author and approved followers can decrypt content. React frontend with a real-time backend. [GitHub](#) | [Live Demo](#)

WalSign: Document-signing system providing trustless, verifiable digital signatures without centralized intermediaries. [GitHub](#) | [Live Demo](#)

Visual Therapy: Cross-platform desktop application built with Electron (packaged with electron-builder for Windows and macOS), featuring 13+ interactive Canvas-based modules. [GitHub](#) | [Live Demo](#)

Real-Time Data Indexer & API Platform: Event-driven indexer for on-chain data, built with NestJS, PostgreSQL, Redis, BullMQ, Docker, and GitHub Actions CI. Idempotent queue workers, cached REST APIs, live WebSocket updates, behind an Nginx TLS reverse proxy. [GitHub](#)

Vendetta: Fully on-chain multiplayer strategy game on Sui and Walrus, where players expand a criminal empire through strategic decisions, territory control, and resource management. [Live Demo](#)

LocalCoin: Closed-cycle token system for on-chain control and tracking of financial incentives in the real world. [GitHub](#)

Unexia Impact Calculator: AI-enabled impact calculator for the UN Health4Life Fund, computing Healthy Life Years (HLY) gained from global health interventions. [GitHub](#)

EDUCATION

B.Sc. Computer Science & IT (BScCSIT)

Orchid International College, Kathmandu

Sep 2019

COMMUNITY & CERTIFICATIONS

Core Organizer, Sui Hacker House Kathmandu • Paris Blockchain Week 2024 • Sui Basecamp 2024

Introduction to Data Science in Python, Coursera • [View Certificate](#)

Blockchain Basics, Coursera • [View Certificate](#)

LANGUAGES

English (Fluent) • Hindi (Fluent) • Nepali (Native)