

SIDDHARTHA KUNWAR

Full Stack / Backend Engineer — Software Developer

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PROFESSIONAL SUMMARY

Full Stack & Blockchain Engineer with experience building production NestJS microservices, Next.js applications, and cloud infrastructure. Shipped Orka (AI Financial OS) to 100+ real users and contributed to the Stellar ecosystem. Strong focus on clean backend architecture, API design, and shipping real products. Comfortable working remotely with international teams.

EXPERIENCE

RISEIN

Feb 2026 – Present

RiseIn Stellar Journey to Mastery & Midnight Program

remote, Global

- Built and **launched** multiple products on the **Stellar ecosystem** including **Orka** (AI Financial OS – **100+ users**), **RemitFlow** (cross-border payment router), **SplitRent** (decentralized rent splitter), and **Wrangler** (Midnight program).
- Open-sourced projects** and **launched Orka** on **LaunchLlama** while applying for **Stellar ecosystem funding**.

SEN4A RECRUITERS

Mar 2025 – Sep 2025

Backend Engineer Intern

Remote / Tokyo, Japan

- Designed and implemented a **scalable NestJS microservices backend** that **streamlined the recruitment workflow** and **reduced candidate processing time**.
- Optimized **complex GraphQL queries** using Knex.js, improving **API data retrieval performance** and **reducing latency**.

PROJECTS

Orka | **Stack:** Next.js 16 · TypeScript · Rust · PostgreSQL · Supabase · Stellar/Soroban

Jun 2026

- Built and launched **Orka** for agencies & freelancers; reached **100+ real users**, **open-sourced** the project, and **launched on LaunchLlama**.
- Designed **backend** and **database architecture** supporting organizations, projects, clients, contracts, milestones, and financial transactions.

Real-Time Ephemeral Chat System | **Stack:** Next.js 16, Redis, TypeScript, Tailwind CSS

Feb 2026

- Achieved **sub-50ms message delivery latency** for active sessions by architecting a high-performance Pub/Sub messaging layer using **Redis** and **Next.js 16** server actions.
- Enforced **100% data privacy and storage efficiency** by implementing an automated **TTL (Time-to-Live)** mechanism that permanently purges chat rooms and history after 10 minutes of inactivity.

3D HerbVision | **Stack:** YOLOv8, Neural Radiance Fields (NeRF), Three.js, FastAPI, Computer Vision

Sep 2025

- Trained **YOLOv8** on a custom dataset of **22 medicinal plant species**, achieving **91.8% mAP@0.5** and **82.4% mAP@0.5:0.95**.
- Implemented **Neural Radiance Fields** for high-quality 3D reconstruction (**SSIM 0.941**) and built an **interactive web viewer** using Three.js.

SKILLS

- Languages:** TypeScript, JavaScript, Rust, Java, Python, SQL.
- Backend:** Node.js, NestJS, Express.js, REST APIs, GraphQL, gRPC, Microservices, Clean Architecture.
- Database:** PostgreSQL, Redis, MongoDB, Supabase, Prisma, Knex.js.
- DevOps & Cloud:** AWS, Docker, GitHub Actions, Bitbucket CI/CD, Terraform, Linux.
- Frontend:** Next.js, React, Tailwind CSS.
- Engineering:** System Design, API Design, Database Design, Authentication, OAuth 2.0, Event-Driven Architecture, Open Source Contribution — **Remote Collaboration:** Slack, Notion, Linear, Zoom.

ACHIEVEMENTS

- Publications:** Published research work on “**AI Based Medical Plant Detection and 3D Reconstruction (3D HerbVision)**” — developed an end-to-end system using **YOLOv8 (91.8% mAP@0.5)** and **Neural Radiance Fields** for photorealistic 3D plant reconstruction.
- Built & launched Orka** (AI Financial OS) — **100+ real users**, live on LaunchLlama, preparing Product Hunt launch, and applied for Stellar ecosystem funding.
- Earned \$250** from the Stellar ecosystem through builder programs and contributions (RiseIn, Build Station, etc.).
- Certifications** - OCI DevOps Professional, OCI Generative AI Professional, Machine Learning Specialization

EDUCATION

Abdul Kalam Technical University

Bachelor of Technology in Artificial Intelligence & Machine Learning

Ghaziabad, Uttar Pradesh

Nov 2022 – Jun 2026