

Anukul Pandey

BLOCKCHAIN BACKEND ENGINEER · SECURITY RESEARCHER · FULL-STACK DEVELOPER

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Blockchain backend engineer with **3+ years** shipping production protocol infrastructure — on-chain **indexers**, **blockchain explorers**, and **data APIs** on EVM-compatible networks. Forked and adapted complex protocols, expanded chain coverage by **10+ protocols**, and shipped end-to-end across SDKs, dApps, and a wallet extension — paired with an applied-security background as an acknowledged **bug-bounty researcher**. Stack: **Python**, **TypeScript/JavaScript**, **Solidity**, **Rust**, **Docker**.

EXPERIENCE

Reef Chain — Software Developer (Blockchain Backend Engineer) Jan 2023 – Jun 2026

- Built and maintained blockchain **indexers**, the **Reefscan explorer**, and data APIs polling in lockstep with the 10-second block time, keeping indexed on-chain data within **~10s of chain head (~8,600 syncs/day)**; optimized the subsquid-processor (transfer-account rebinding) for reliable real-time sync.
- Led the network's **EVM migration from Substrate-EVM to PolkaVM** (Pelagia testnet, chain 13939): shipped the **@reef-chain/evm-util-lib** TypeScript SDK, a **Reefswap** Uniswap-V2 DEX fork (wagmi + MetaMask), the **Squid** NFT marketplace, a GitHub-OAuth faucet, a **Blockscout** explorer fork, a **Rust resolc** PolkaVM contract verifier, and Docker/Dokploy node + validator infrastructure.
- Built **CoinGecko-compatible supply APIs** on reefscan-api with cross-chain supply accounting and dead-account handling; integrated **4 exchanges/on-ramps** (LetsExchange, StealthEx, MagicSquare, Alchemy Pay) and **SolidityScan** contract scanning; fixed an exposed-API security issue.
- Expanded platform chain coverage by **10+ protocols** by researching, forking, and adapting complex blockchain networks and deploying/testing smart contracts on the EVM-compatible chain.
- Cut a 3–4 hour manual release process to **~2 minutes (~99% faster)** with automation tooling for contract deployment, data indexing, and release workflows.
- Shipped full-stack surface across the main **dApp** and browser **wallet extension**: fiat on-ramp / Buy-Reef flows, **WalletConnect** transactions, staking/pools/**TVL**, and signing UX; fixed the **qix** npm supply-chain vulnerability.

Kokopai — Blockchain / Full-Stack Engineer (Freelance) Apr 2025 – Present

- Built the multi-chain wallet & payments layer for a creator-first **AI video + NFT platform**: **WalletConnect** + **MetaMask SIWE** authentication and **Reown** multi-chain support (per-chain tags, network switcher, chain-aware routing).
- Shipped wallet-backed checkout flows, a canonical **blockchain server**, and a hot-reload **Docker** dev stack (Colima, Infisical secrets); migrated auth from single-chain to multi-chain.

Sixth Sense AI — Frontend / Product Engineer (Contract) Jan 2026 – Feb 2026

- Built a cross-platform desktop app with **Tauri (Rust) + React + TypeScript** for an AI venue product: AI chat assistant (**/v1/chats** API), structured menu CRUD, guest-feedback UX, and crash/performance triage.

Darve — Full-Stack Developer (Freelance) Nov 2024 – May 2025

- Built the **Flutter** mobile app for a social challenges & payments platform — passkey auth, chat, profiles, challenges, notifications, file uploads, and in-app **Stripe** payments with transaction history.
- Built **Rust** backend services — auth/user routes, Stripe endowment & webhook handling, and transaction-response APIs.

SigNoz — Technical Writer (Freelance) Jun 2023 – Jul 2025

- Authored **50+ merged open-source PRs** (docs + sample apps) across **15+ language/framework stacks** — PHP, Rust, JS/TS, Python, Java, .NET, Go, Elixir, Swift, Kotlin, React Native, Next.js, Nginx — covering **OpenTelemetry** application- and OS-level instrumentation.
- Built reference sample apps for mobile (Android, iOS, React Native, Flutter), web, and backend to drive community adoption of OpenTelemetry.

Volvo Eicher Commercial Vehicles — Full-Stack Developer Intern 2021 · Indore

- Replaced paper defect-tracking across **8 assembly zones** with a secure QR-driven web app (zone-specific forms + SMS alerts) and a cloud paperless records app (**Flask, PyMongo**).

ACOEM Ecotech — Engineering Intern 2022 · Indore

- Short engineering internship in environmental-monitoring instrumentation; proposed process (Kaizen) improvements.

SELECTED PROJECTS & VENTURES

MrDapps — Reef Name Service · ENS-style on-chain naming

Full stack — on-chain registry, ERC-721 base registrar, commit/reveal controller, public resolver + web app. **Reef Community Developer Fund grant** recipient.

Droppie · Founder

No-code tool to deploy gas-efficient **Merkle-proof airdrops** on EVM chains (app + server + Solidity contracts).

SKILLS

WEB3 / PROTOCOL

Indexers, blockchain explorers, EVM/PolkaVM, smart-contract dev & testing, protocol forking, Substrate/Polkadot, Hardhat, wagmi/ethers, MetaMask, IPFS

LANGUAGES

TypeScript, JavaScript, Python, Rust, Solidity, C++

BACKEND & DEVOPS

Node.js, Flask, Docker, Nginx, CI/CD automation, Linux, Bash, Git, OpenTelemetry

DATABASES

PostgreSQL, MongoDB

FRONTEND / MOBILE

React, Next.js, Vue, Nuxt, Flutter, Tauri

SECURITY

Web app pentesting, vuln research & responsible disclosure, exploit tooling, OWASP Top 10 (SQLi, LFI, XSS, broken auth), Burp Suite

SECURITY RESEARCH

hackerone.com/Oxanukul

- Acknowledged: GitHub** (broken authentication / unprotected route), **Domino's** (XSS — official Responsible Disclosure hall of fame), **Khalsa College** (vulnerability reported & documented).
- Reported across 17+ programs:** GitHub, Domino's, Walt Disney, Automattic / Tumblr, Linux Foundation, Polygon, LinkedIn, Vercel, Chia Network, Lightspark, Databricks, New Relic, eToro, Basecamp, Kraden, Panther Labs, Judge.me.
- Tooling:** SQLi/LFI scanners, dir-buster, WebRTC deanonymization PoC, npm supply-chain (qix) scanner; OWASP Top 10, Burp Suite.

ACHIEVEMENTS

- 1st place** — Reef India Hackathon (10+ teams, \$1,000)
- Winner** — Gelato Hackathon
- Reef Community Developer Fund **grant** recipient (Reef Name Service)

LEADERSHIP & COMMUNITY

- Co-Founder, Coding Jungle** — pentesting & programming content brand, **5,000+ followers** (Instagram, Telegram, Threads, YouTube).
- Personal tech channel — youtube.com/@Oxanukul.
- Web3 talks across **4 colleges**; blockchain workshop at GDG Indore (Jan 2026).

EDUCATION

B.Tech, Electronics & Instrumentation

SGSITS, Indore (RGPV)

2023 · CGPA 8.62/10

Class XII (CBSE) — 81%, 2019 · Class X (CBSE) — 10.0 CGPA, 2017