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Summary

Blockchain & Full Stack Engineer — CS undergraduate with 1.5 years of remote experience across three companies; founder of Streamlet, a live media-infrastructure platform. Ships production Solidity contracts, Next.js/Node.js applications, and Dockerized CI/CD.

Work Experience

Digital South Trust

Oct 2025 – Jul 2026

Blockchain & Full Stack Engineer

Bengaluru, India (Remote)

- Led delivery of 12 production Solidity contracts, from spec through testing, audit fixes, and mainnet deployment.
- Cut average gas costs 22% via storage-layout refactors, custom errors, and batched state updates.
- Automated Docker and CI/CD releases, cutting deployment time from 2 hours to 15 minutes, and authored runbooks adopted by the engineering team.

AMALAS

Jul 2025 – Sep 2025

Blockchain & Full Stack Engineer

Lebanon (Remote)

- Delivered secure Solidity contracts for an Ethereum DApp at 90% unit and fuzz test coverage, hardened against reentrancy, access-control, and overflow risks with OpenZeppelin.
- Coordinated with a distributed remote team across 3 time zones, translating founder requirements into technical specs and presenting weekly demos to non-technical stakeholders.

Virtua Technologies

Aug 2024 – Oct 2024

Full Stack Engineer Intern

Australia (Remote)

- Architected end-to-end MERN features linking React front ends to Node.js/Express APIs and blockchain modules, secured with token auth and role-based access.
- Scaled responsive Web3 interfaces to 500+ concurrent users at 1.4s load time by cutting JavaScript bundle size 40% with code splitting and lazy loading, lifting Core Web Vitals and engagement 25%.

Projects

Streamlet — Media Infrastructure Platform | Live | Docs | npm

- Founded and shipped a production media platform unifying HLS video streaming, WebP image optimisation, and document hosting behind one API, sustaining 99.99% uptime and sub-50ms stream starts on a global edge network.
- Automated a six-stage pipeline taking 4 GB uploads through adaptive HLS transcoding to 4K, thumbnail extraction, Whisper AI captions in 11 languages, and signed-URL, WAF, and multi-DRM protection before edge delivery.
- Published the open-source `@streamlet/sdk` npm client with REST API docs, and built usage-metered billing across five tiers with a cost calculator benchmarking against Mux and Cloudflare Stream.

Votium — Decentralized Voting Platform | Live | GitHub

- Launched a blockchain voting platform for on-chain elections on Base Sepolia and Polygon Amoy, enforcing one vote per address, hidden tallies, and emergency pause in immutable OpenZeppelin contracts tested with Foundry.
- Implemented ERC-4337 account abstraction for gasless voting, removing the wallet-funding step that blocks new Web3 users.

Stockify — AI-Powered Portfolio Assistant | Live | GitHub

- Designed an AI portfolio assistant delivering risk-adjusted SIP recommendations, orchestrating Gemini 1.5 Pro and LLaMA 3.3 via LangChain, LlamaIndex, and a FAISS store over Yahoo Finance data.

Ink Well — Full Stack Blog Platform | Live | GitHub

- Built a serverless blog platform with SSR and static generation, scoring 99% on Google Lighthouse at 0.6s page loads.
- Shipped a real-time markdown editor, threaded comments, and authentication, serving 1000+ concurrent readers at 99.9% uptime via indexed queries and caching.

Technical Skills

Languages: JavaScript, TypeScript, Python, Solidity, SQL, HTML5, CSS3

Blockchain / Web3: Solidity, Foundry, Thirdweb, OpenZeppelin, ERC-20/721, ERC-4337, Gas Optimization, EVM

Web: React.js, Next.js 15, TailwindCSS, Node.js, Express.js, FastAPI, REST APIs, Prisma ORM, SSR, Serverless

Data & AI: MongoDB, PostgreSQL, FAISS, Pinecone, LangChain, LlamaIndex, Vercel AI SDK, Gemini, Groq, Whisper AI

DevOps & Cloud: Docker, Docker Compose, GitHub Actions, CI/CD Pipelines, Linux, Nginx, Vercel, Cloudflare, Secrets Management, Monitoring & Uptime, Webhooks, npm Publishing

Practices: Git, Code Review, Agile, Technical Documentation, Unit & Fuzz Testing, SDK Design

Education

Alliance University

2024 – 2028

B.Tech in Computer Science & Engineering (Kalvium)

Bangalore, India

Achievements

National Finalist, PromptRepo x Kalvium AI Hackathon (Feb 2025): solo entrant among 100+ teams nationwide.

Winner, State-Level Coding Hackathon, Govt. of Tamil Nadu (Nov 2023): 1st of 200+ participants.