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SUMMARY

Full-stack software engineer building web products, on-chain infrastructure, and AI agent tooling with TypeScript, React, Next.js, and Python. Former startup co-founder and founding engineer; award winner across 25+ hackathons, mostly around blockchain verifiability and security.

EXPERIENCE

Tamizh Research and Development Pvt. Ltd. (tamizh.co.in)

Chennai, India

Co-founder & Lead Software Engineer

June 2023 – June 2026

- Led product engineering as the founding engineer — architected and wrote the core of the product, an AR smart-spectacles platform, including CI/CD pipelines for firmware and companion applications.
- Helped raise INR 21M through a fundraising push to fund product development and team growth.
- Ran the founder circuit end to end: pitched for grants and investments, onboarded clients and members into the organization, and helped hire and grow the engineering team.

Freelance Engineer, Mentor & Workshop Lead

Independent

Self-employed

2023 – Present

- Deliver freelance builds end to end; run technical workshops and mentoring for early-career developers.

Ascending Software

Remote

Associate Software Developer

Feb 2024 – Aug 2024

- Worked on the backend team for **DriveU**, a transport management system — built core systems including the booking engine with real-time request handling and driver-matching logic.
- Developed RESTful APIs supporting mobile-app features, payment flows, and trip management, plus server-side infrastructure covering session management and system stability.

Open Weaver

Part-time, Remote

Full Stack Engineer Intern

July 2023 – Aug 2023

- Designed and shipped customized websites on OpenWeaver Studio, a low-code platform, enhancing SDK usability and integration; published a completed project as a kandi kit for the community.

PROJECTS

zkTable *TypeScript, Noir, Soroban (Rust), Stellar, Zero-Knowledge Proofs*

- Built a TypeScript SDK for trustless, privacy-preserving board games on Stellar: declarative game definitions compile onto five pre-built, audited Noir ZK circuits and a generic Soroban referee contract — developers get zero-knowledge privacy without writing a single circuit.
- Shipped three games (hidden-movement manhunt, bluffing dice, social deduction) on the same SDK, with every secret-dependent move ZK-verified on live Stellar testnet and cheat-proof AI opponents that pass the same proof boundary as humans.

QVAC Delegation Mesh *JavaScript, QVAC SDK, Holepunch P2P, Local-first AI*

- Built a peer-to-peer inference delegation mesh on Tether's QVAC local-AI stack, routing LLM workloads across peer devices over the Holepunch P2P stack — cloud-free, local-first AI with shared resources.

Mycelium *TypeScript, P2P Infrastructure, AI Agents*

- Developed a decentralized coordination and connectivity layer for AI agents, enabling resilient peer-to-peer communication and shared state without centralized infrastructure.

TECHNICAL SKILLS

Languages:	TypeScript, JavaScript, Python, Java, Rust (Soroban), Solidity
Frameworks:	React, Next.js, Node.js, Express, Flutter, Tailwind CSS
Blockchain / Web3:	Smart contracts, zero-knowledge proofs, DeFi protocols, EVM & non-EVM chains, dApps
Databases & Cloud:	PostgreSQL, MySQL, MongoDB, Redis, Supabase, AWS, Alibaba Cloud
Tools & Other:	Git/GitHub, Linux, CI/CD, Figma, Unity, AR/VR

EDUCATION

Loyola-ICAM College of Engineering and Technology (LICET)

Chennai, India

B.Tech, Information Technology

June 2021 – June 2025

AWARDS & ACHIEVEMENTS

- Hackathons:** 25+ hackathons, mostly around blockchain verifiability and security; won over \$7,000 in cash prizes and \$5,000 in credits.
- Academics:** Best Project Award (2023); Best Paper Award (2024). **Profiles:** [GitHub](#) · [Devfolio](#) · [Devpost](#)

LEADERSHIP & VOLUNTEERING

- Vice-President, LEAF:** Led a 50+ member team; organized 30+ environmental-development events.
- Director of Business Development, Licet Pattarai:** Led 10+ members; ran 25+ technical events for upskilling students.
- Hackathon Mentor, Envision:** Mentored 60+ students. **Head, NSS (LICET):** Ran social-awareness initiatives.