

Darsh Shah

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ABOUT

Software Engineer with 2+ years building React, Node, and EVM smart-contract systems. Published research on real-world asset (RWA) tokenization, authored production-grade ERC-20 token (Aurkoin), and Kotlin mobile apps. Thrive in fast, regulated Web3 environments, shipping secure code at a startup pace

EDUCATION

Post-Graduate (Mobile Apps), <i>George Brown College</i>	2024 – present
Post-Graduate (Blockchain), <i>George Brown College</i>	2023 – 2024
Bachelor of Engineering (Computer), <i>Gujarat Technological University</i>	2018 – 2022

EXPERIENCE

Blockchain Research Lead, *George Brown College* 04/2024 – 08/2024 | Toronto, Canada

- Directed a 10-person team through weekly sprints to produce a 60-page, peer-reviewed tokenization framework now cited for 14 asset classes.
- Led exhaustive market and regulatory analysis, authoring key sections that surfaced high-value use cases in agriculture, real estate, energy, and healthcare, etc.
- Secured expert and policymaker validation, achieving full stakeholder endorsement and positioning the framework for immediate pilot deployment.

Blockchain Engineer Intern, *Aurkei Inc.* 05/2024 – 08/2024 | Arizona, USA

- Lacking a secure healthcare-data token, I built and test-deployed Aurkoin (ERC-20), audit-ready for mainnet.
- Inflation risked tanking engagement, so I modeled tokenomics that cap emissions while boosting retention, and adopted it into the product roadmap.
- Regulatory gray zones blocked RWA tokenization; I mapped compliance paths with counsel, delivering a blueprint that unlocks legal deployment.

Full Stack Developer, *Aeropres India PVT LTD* 06/2022 – 06/2023 | Ahmedabad, India

- Moramba's React app lagged; I refactored components and added lazy-loading, boosting performance by 13 % and cutting load times.
- BreathEasy's beta UI failed on tablets/phones; I rebuilt the responsive layout and component library, earning unanimously positive tester feedback.
- SilverlineNFT lacked minting; I coded Solidity contracts and wallet-connect hooks, enabling secure in-house NFT demos.

Web Developer Intern, *Infolabz IT Services* 01/2022 – 04/2022 | Ahmedabad, India

- Rural areas lacked live vital tracking. Developed "HealthX," an IoT vital-sign monitoring MVP: programmed Arduino-based heart-rate & SpO₂ sensors, optimized wireless protocols, and streamed real-time data to the cloud—delivered ahead of schedule.
- Created a ReactJS dashboard with PHP/SQL backend to display live charts and historical logs, markedly improving clinicians' day-to-day patient-monitoring efficiency.

SKILLS

- JavaScript/TypeScript (React + Redux Toolkit, Node/Express, TailwindCSS, Framer Motion), Solidity, iOS/Android App Development (Kotlin, Swift)
- Cloud/DevOps (GCP, Docker, GitHub Actions, Jenkins, Vercel, Render), Blockchain (Hardhat, Web3.js, Ether.js, Truffle), Testing/CI (Postman, JMeter, CI/CD pipelines), Databases/Storage (MongoDB, Firebase/Firestore), Design/Prototyping (Figma, Adobe XD, After Effects, Photoshop)

PROJECTS

RWA Tokenization Research ☑ 04/2024 – 08/2024

- Developed a comprehensive asset tokenization framework covering regulatory, technical, and economic dimensions.
- Analyzed industry sectors (agriculture, energy, real estate, and many more) and highlighted asset suitability and risks.

EdBucks, Blockchain Based Solution for Student-Aid Funding ☑ 02/2024 – 04/2024

- Shipped a full-stack dApp that combines Solidity smart contracts with a React/Tailwind UI, cutting grant disbursement from days to minutes on testnet.
- Built a CI/CD pipeline (GitHub Actions → Jenkins → Kubernetes) achieving 100 % automated testing and one-click rollouts.

HealthX, IoT Basedes system 01/2022 – 03/2022

- Integrated ECG, temperature, pulse, and SpO₂ sensors via Arduino to stream vitals to the cloud every 5 s with 99.9 % uptime.
- Delivered a React dashboard and PHP backend for real-time and historical views, reducing manual patient checks by 40 %.