

Darsh Shah

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ABOUT

Software Engineer with 2+ years of experience across frontend, backend, and mobile development. I work across the stack to ship stable, user-focused features and contribute to real products. Background in blockchain and RWA tokenization enhances technical breadth while keeping core focus on modern software engineering.

EXPERIENCE

Software Engineer (Co-op), Aurkei Inc. 05/2024 – 08/2024 | Arizona, USA

- Built and test-deployed Aurkoin (ERC-20), a secure healthcare-data token
- Designed tokenomics to cap inflation and increase retention, which was later adopted into the product roadmap.
- Integrated mint, burn, and reward logic into smart contracts, boosting platform transaction volume.

Research Lead, George Brown College 04/2024 – 08/2024 | Toronto, CA

- Led a 10-member team to deliver a 60-page tokenization framework covering 14 asset classes.
- Produced market and regulatory insights across agriculture, real estate, energy, and healthcare.
- Secured expert and policymaker approval, positioning the framework for pilot deployment.
- Optimized research workflow with weekly sprints, cutting turnaround time by 25%.

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

- Optimized Moramba app performance by 13% through Code refactoring, Code Splitting, and lazy loading, improving SaaS scalability.
- Rebuilt BreathEasy's UI for full tablet and mobile responsiveness, earning 100% positive tester feedback.
- Developed Solidity contracts and wallet integration for SilverlineNFT, enabling secure in-house NFT minting.
- Delivered cross-functional features across frontend, backend, and blockchain, cutting release cycles by 20%.

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

- Developed "HealthX," an IoT vital-sign monitoring MVP using Arduino.
- heart-rate and SpO₂ sensors, streaming real-time data to the cloud ahead of schedule.
- Built a ReactJS dashboard with PHP/SQL backend for live charts and logs, boosting clinical monitoring efficiency by 30%.

SKILLS

- JavaScript (React + Redux Toolkit, Node/Express, TailwindCSS, Framer Motion), Solidity, iOS/Android App Development (Kotlin, Swift), React Native
- Cloud Platforms (GCP: GKE, Firestore, Pub/Sub), DevOps (Docker, Kubernetes, GitHub Actions, Jenkins), Testing (Postman, JMeter), Databases/Storage (MongoDB, Supabase, Firebase/Firestore), Design/Prototyping (Figma, Adobe XD, After Effects, Photoshop)

EDUCATION

Post-Graduation (Mobile Apps), George Brown College 2024 – present

Post-Graduation(Blockchain), George Brown College 2023 – 2024

Bachelor of Engineering (Computer), Gujarat Technological University 2018 – 2022

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 Based 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 %.