# Darsh Shah

*Software Engineer*

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## About

Innovative developer with a strong background in Software Engineering and Blockchain. Experienced in leading projects from concept to deployment, with a focus on creating efficient, user-centric solutions and a keen interest in emerging technologies.

## Experience

**Research Lead — Blockchain RWA Tokenization,** *Part-Time*                    04/2024 — 08/2024
*At* **George Brown College**                                                              Toronto, Canada
- Led a team of 10 in researching **Real-World Asset (RWA) tokenization** on blockchain.
- Analyzed blockchain trends and authored a **detailed research paper** on findings.
- Engaged with industry experts for insights and validation.
- Explored innovative **RWA tokenization applications** across industries.

**Blockchain Engineer— Aurkoin (ARK) Token,** *Co-op*                          05/2024 — 08/2024
*At* **Aurkei Inc.**                                                                        Arizona, USA
- Developed **Aurkoin (ARK)** with ERC-20 smart contract features (mint, burn, pause).
- Designed the **tokenomics model** to optimize incentives.
- Researched **RWA tokenization** for blockchain-based healthcare solutions.
- Built the **backend APIs** for Aurkie Mobile App with seamless blockchain integration.

**Full Stack Developer — Web3 & Frontend,** *Full-Time*                         06/2022 — 06/2023
*At* **Aeropres India Private Limited.**                                                   Ahmedabad, India
- Led front-end development for **Moramba, BreathEasy, and SilverlineNFT** projects.
- Improved **Moramba's performance by 13%** with optimized React.js interfaces.
- Enhanced project efficiency with **code quality improvements**.
- Designed **UI/UX solutions** for BreathEasy, boosting user engagement.
- Developed **NFT integrations** for SilverlineNFT with Web3 functionality.

## Skills

**Technologies**: JavaScript, React, NodeJs, ExpressJs, Solidity, jQuery
**Database**: MongoDB, Firebase
**Libraries**: Web3Js, EtherJs, ThreeJs, Redux, TailwindCSS, Shadcn/UI
**Deployment**: Docker, Kubernetes, Jenkins, JMeter, Vercel, Heroku, Firebase
**Design**: Figma, AdobeXD, Adobe After Effects, Adobe Photoshop
**Tools**: Hardhat, Postman
**Soft Skills**: Content Creation, Critical Thinking, Public Speaking, Attention to Detail, Communication

## Projects

**RWA Tokenization Research** ⧉                                                  04/2024 — 08/2024
- Explored tokenization potential across multiple sectors, including agriculture, real estate, and energy.
- Created a strategic blueprint for secure and compliant asset tokenization on blockchain.
- Employed data-driven analysis to highlight the benefits and limitations of RWA tokenization for diverse asset classes.

**EdBucks,** *Blockchain Based Solution for Student-Aid Funding* ⧉              02/2024 — 04/2024
- Led the integration of blockchain functionalities using Solidity and EtherJS, enhancing DApp efficiency and user trust.
- Engineered responsive UIs with React, Tailwind, and Framer Motion for seamless user experiences.
- Orchestrated robust CI/CD pipelines using GitHub Workflows, Jenkins, and Kubernetes, improving deployment efficiency.

## Education

**Post-Graduate(Mobile Apps),** *George Brown Collage*                                    2024 — present

**Post-Graduate(Blockchain),** *George Brown Collage*                                     2023 — 2024
CGPA: *3.77 / 4.00*

**Bachelor of Engineering (Computer),** *Gujarat Technological University*                2018 — 2022
CGPA: *8.33 / 10.00*