

# SHAILESH SHENOY

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## EDUCATION

- **Northeastern University, Boston** September 2022 – August 2024
    - Master of Science, Information Systems
  - **University of Mumbai, Mumbai** August 2014 – June 2018
    - Bachelor of Engineering, Computer Engineering
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## SKILLS

**Programming Languages:** Java, Python, Go, Solidity, JavaScript (ES5+), TypeScript, Rust, C#, SQL, HTML, CSS

**Frameworks & Libraries:** Spring Boot, FastAPI, React, NextJS, NodeJS, EthersJS, Web3js, Wagmi, Hardhat, Mocha, Chakra UI

**Tools, Platforms, Others:** Ethereum, Git, Chainlink, Polygon, Avalanche, AWS, Docker, Unity, CI/CD, Blockchain, Alchemy

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## EXPERIENCE

- **Software Engineer Co-op, Fidelity Investments, Boston** July 2023 – December 2023
    - Engineered a developer-friendly REST API to aggregate user data from 6 cryptocurrency exchanges and present it in a standardized format, significantly reducing the effort required to integrate crypto services into a portfolio tracker
    - Instrumented a CI/CD pipeline to deploy a FastAPI application as an AWS lambda function using Terraform and Jenkins, ensuring minimal downtime & scalability to support thousands of concurrent users
    - Designed & developed a modern, accessible portfolio-tracker web app using NextJS with a convenient API playground leveraging OpenAPI 3.0, drastically improving user experience & reducing churn rate by 35%
  - **Software Engineer, Ingram Micro, Mumbai** July 2018 – July 2022
    - Optimized several high-volume web services by rewriting them in Go & refactoring SQL queries, reducing latency from 2+ minutes to less than 10 seconds and providing fast response time across frontend systems
    - Guided 300+ resellers, vendors & partners to transition away from legacy (SOAP/EDI) channels by leading development of multiple RESTful APIs, expediting onboarding time by three weeks on average
    - Collaborated with production support team in orchestrating a uniform Error Handling framework & setting up real-time alerts in Splunk/AppDynamics, reducing incident resolution times by 40%
    - Automated the purchase of warranty SKUs & services by integrating Mainframe & SAP backend systems with APIs from Dell, Apple, and Microsoft, removing manual interventions from 75% of warranty purchases such as AppleCare
    - Accelerated migration from legacy platform Akana to Google Apigee by automating proxy creation in an internal tool using Apigee's management APIs & React, saving \$2M in licensed migration costs
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## PROJECTS

- **Secure Social Share – Trust-minimized Data Sharing Platform** April 2024
  - Devised an E2E encrypted data sharing system with strict, smart contract-based access control, allowing users to securely share sensitive information with their social circle by harnessing the power of Threshold TaCo
  - Won multiple first place prizes at ETHBoston 2024
- **VeriFree – On-Chain Student Verification System** December 2023
  - Built a cross-chain student verification system using PolygonID & Chainlink CCIP, providing verified students with token-gated access to the VeriFree DAO & free access to VeriFree subnet on Avalanche
  - Awarded with an honorable mention for Avalanche track at the Chainlink Constellation 2023 hackathon
- **zKredit – Trustless Credit Score Verification** April 2023
  - Demonstrated a zero-knowledge proof system for secure verification of credit score without sharing confidential data with third party services by harnessing the power of zkApps on Mina protocol
  - Bagged a runner-up prize at ETHBoston 2023
- **WagerWinz – Crypto Price Prediction Platform** February 2023
  - Developed a crypto platform for creating, challenging, and winning wagers by predicting the price of ETH on-chain using Solidity for the smart contracts, and NextJS, RainbowKit & Wagmi for the frontend
  - Queried the Chainlink ETH/USD price Oracle and utilized the ContractFactory/Proxy pattern for the smart contracts deployed on Sepolia testnet to ensure total transparency & decentralization