Harshil Jani

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EDUCATION

National Institute of Technology - NIT Surat   Surat, India
B.Tech Electronics and Communications Engineering (MAJORS) Computer Science (MINORS)   *2020 – 2024*

WORK EXPERIENCE

Product Engineer   Nov 2025 – Present
Cityflo   *Thane, India (Office)*
- Owned end-to-end backend design and production rollout of a new cab service (Cityflo Bolt), delivering ride-booking workflows, pricing engines, ride-pack subscriptions, admin controls, and cancellation logic across multiple phased launches.
- Raised backend architecture quality and team velocity by migrating runtime configuration to Constance, deprecating legacy APIs and double-booking logic leaks, resolving serialization/rendering failures, and introducing internal developer tooling to reduce operational overhead.

Backend Engineer   June 2024 – Oct 2025
Ionic Wealth (formerly Angel One Wealth)   *Mumbai (Remote)*
- Built and scaled investor analytics platforms including fund overlap analysis, portfolio insights, bonds and stocks reporting, historical holdings, discrepancy tracking, and overall summaries, supporting **6000Cr+ AUM**.
- Improved performance and expanded platform capabilities by fixing N+1 issues in Kinesis pipelines, optimizing Airflow DAGs, tuning Kafka stream processing, reconfiguring AWS Lambda, and later building agentic AI workflows using n8n and Google ADK.

Software Intern   Sep. 2022 – Mar. 2023
Samagra Governance   *New Delhi (Remote)*
- Built tools to help manage school data for government admins, allowing easy access and edits based on their roles.
- Created a reusable data module and a mapping tool that made handling data faster and simpler for everyone.
- Worked on DevOps tasks like maintaining pipelines with Jenkins, Docker, and Ansible to ensure smooth deployments.

OPEN SOURCE FELLOWSHIPS

Summer of Bitcoin 2023 @ Rust-Bitcoin | *Rust, Miniscript, Compiler, Merkle Tree, Bitcoin*
- Optimized miniscript to reduce transaction fees by 25-50% through better spend paths and enhanced the Planning Module to avoid DDOS attacks.

Summer of Bitcoin 2024 @ Caravan | *Typescript, UTXO Descriptor, Statistics*
- Designed and shipped a library in the Caravan Coordinator app that scores Bitcoin wallets on Privacy Health and Fee Waste Health by analyzing UTXOs, transactions, and future fee rates.

PROJECTS

R3BL TUI Editor Engine | *Rust, NuShell, Cargo, TUI Apps, UX*
- Engineered a cache system for the editor buffer to optimize rendering and improved performance of engine.
- Wrote a interative git based TUI Application called giti.

ESQLZ | *Rust, Sequelize-CLI*
- Wrote an open source extension of Sequelize-CLI for simplifying migrations workflow.
- It is a TUI binary in Rust and available for Linux and MacOS with 500+ downloads

Medium to Markdown | *Rust*
- Wrote a parser to convert your medium blogs into markdown
- Published a crate having 2000+ downloads.

TECHNICAL SKILLS

Languages: C, C++, Rust, Python, Javascript, Bash Shell Script, PHP
Frameworks: Kafka, Airflow, ElasticSearch, React, Node, Express, FastAPI, DJango, KoaJS, PostgreSQL, NextJS, React Native, Docker
Developer Tools: AWS, Git, Docker, VS Code, Jenkins, Postman API, Github, Gitlab CI, Hasura, GSuite