

Nafi Islam

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EXPERIENCE

JPMorganChase

Houston, Texas

Software Engineer, Post Trade Technology

Feb 2026 – Present

- Build the system of record for \$5B+ in pledged collateral, delivering 15 Java/Spring Boot APIs and React screens.
- Modernized a legacy Struts system into a maker-checker approval workflow with versioning and optimistic locking.
- Led test automation from zero to CI/CD: 1,160 scenarios on 254 APIs and 44 screens, replacing days of manual QA.
- Designed an MCP server and agent skills that turn a Jira ticket into a standards-compliant test in ~10 minutes.
- Remediated 28 security findings across 11 services and migrated a platform to a runtime secrets vault.
- Shipped React features for a regulatory reporting platform, adding client notifications and 65K-row Excel exports.

Software Engineering Intern, Equities Derivatives Group

Jun 2025 – Aug 2025

- Optimized risk pipelines with dynamic book filtering and Python caching, cutting compute grid usage by 44%.
- Tuned quant-owned risk model parameters to selectively compute delta and vega, improving runtime by 54%.
- Leveraged Athena to access portfolio, book, position, instrument, and cash layers for real-time financial modeling.

Software Engineering Intern, Athena Platform Engineering

Jun 2022 – Aug 2022

- Engineered a React, TypeScript, and Python credential management system used firm-wide by 1,000+ engineers.
- Implemented Python Tornado backend APIs for credential requests, adding request validation and token handling.

SpaceX

Hawthorne, California

Software Engineering Intern, NonDestructive Evaluation

May 2024 – Aug 2024

- Migrated a legacy AngularJS materials database frontend to modular React components, reducing code by 66%.
- Added .NET RESTful API endpoints to support CRUD operations and backend service integration.

Dell Technologies

Round Rock, Texas

Software Engineering Intern, Digital & IT

May 2023 – Aug 2023

- Deployed a .NET REST API that automates B2B quote triage workflows for internal analysts.
- Accelerated production SQL queries from ~60 seconds to under 10 seconds.

Tesla

Fremont, California

Software Engineering Intern, Digital Experience

Jan 2023 – May 2023

- Delivered reusable React and Angular UI components for the Tesla Design System, deployed across tesla.com.
- Authored 15+ documentation modules on design standards and integration patterns.

EDUCATION

Texas A&M University

College Station, Texas

Bachelor of Science in Electronics Engineering, Minor in Cybersecurity

Dec 2025

PROJECTS

Viesca Agriculture Logistics | [Next.js](#), [TypeScript](#), [PostgreSQL](#), [Supabase](#)

viesca-agriculture-logistics.vercel.app

- Launched a beta ordering and delivery platform for a ranch supply client with live inventory and proof of delivery.

journey | [Svelte](#), [TypeScript](#), [D3.js](#)

journey.us

- Created a geography game that finds shortest routes between U.S. states via breadth-first search, with daily visitors.

Vinyl Box | [Python](#), [Raspberry Pi](#), [Embedded Linux](#)

github.com/nafi-islam/vinyl-box

- Built an NFC record player that reads tags over I2C and streams mapped Spotify albums through Librespot.

SKILLS

Languages: Java, Python, TypeScript, JavaScript, SQL, PL/SQL, C#

Frameworks: Spring Boot, MyBatis, React, Next.js, Node.js, Angular, Svelte, .NET

Data & Messaging: Oracle, PostgreSQL, Supabase, JMS/IBM MQ, REST APIs, Microservices

DevOps & Tools: Jenkins (CI/CD), Docker, Cloud Foundry, Git, Linux, Bash, JUnit, Playwright, MCP

Certifications: AWS Certified Cloud Practitioner