

# ADITHYA NARAYAN

Software Engineer · Security Officer · AI Enablement Lead

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## PROFESSIONAL SUMMARY

Software Engineer with 3+ years at ION Trading building, securing, and scaling mission-critical FX trading systems. Track record of owning outcomes end-to-end — from architecting automation infrastructure to solo MFA rollout across global client environments, leading incident response that resolved a critical security breach within 48 hours, and self-initiating a company-wide security governance framework. Now driving AI enablement — designing the workflows, governance structures, and consumption frameworks that make in-house AI models usable at scale across engineering teams.

## PROFESSIONAL EXPERIENCE

**Software Engineer** · ION Trading India Pvt. Ltd.

Jan 2023 – Present

Front Office Solutions – Foreign Exchange Division · Kozhikode, Kerala

### AI Enablement & Governance

- Leading the evaluation, governance, and rollout of in-house AI models to engineering teams — designing consumption workflows, accountability structures, and adoption frameworks to make AI usable at scale across divisions.
- Pioneering cross-divisional AI/ML proof-of-concepts, translating capability into practical engineering use cases.

### Security Leadership & Incident Response

- Appointed Team Information Security Officer (TISO) following a critical security incident — stayed on-site for 48 hours with the response team, identified the root cause, and deployed the fix to global client environments within the weekend.
- Self-initiated and built a company-wide vulnerability management framework — combining BlackDuck tooling, documented workflows, and clear team-level accountability structures — now adopted across the company. Started while building a vulnerability dashboard; identified the broader governance gap and solved that too.
- Led Business Continuity Planning (BCP) and Business Impact Analysis (BIA) governance across multiple products. Serves as recognised MFA Subject Matter Expert across the division.

### MFA — Architecture, Build & Global Rollout

- Sole engineer assigned to the complete MFA implementation — owned the full lifecycle from threat modelling and architecture through development, testing, and production deployment across all client environments worldwide.

### Automation & Performance Engineering

- Architected and built the end-to-end test automation infrastructure for the FX front-office product from scratch — establishing continuous regression, release gating, and the quality foundation for the product lifecycle.
- Led the strategy, design, and implementation of performance testing infrastructure, enabling rigorous load and stress benchmarking across product releases to quantify capacity limits before they reached clients.

### Feature Delivery & Client Engagement

- Took end-to-end ownership of contractual client feature delivery — from requirements through development, QA, and client deployment — providing direct technical support within client environments.
- Currently part of the strategic FX solutions team, stabilising a critical production environment for a flagship client.

## NOTABLE WORK & IMPACT

Financial Intelligence Pipeline · ION Internal Hackathon 2023, 1st Place

- Built an AI-powered pipeline that collected annual performance filings from stock exchanges, extracted structured financial data using LLMs, and fed it into internal reporting workflows — reducing a manual process from hours to minutes.

#### **Division Security Governance Framework · Company-wide Adoption**

- Identified the division's vulnerability management gap while building a BlackDuck dashboard. Extended the scope to design and deliver a full governance framework — tooling, documented workflows, and accountability structures — now adopted across the company.

## **TECHNICAL SKILLS**

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**Languages:** Python, Bash, JavaScript, SQL

**Automation & DevOps:** Jenkins, Docker, CI/CD Pipelines, Test Automation Frameworks, Performance Testing

**Security:** MFA Implementation, Incident Response, Vulnerability Management (BlackDuck), Security Governance, BIA/BCP, TISO Operations

**AI & Data:** LLM Integration, AI Enablement & Governance, Workflow Design, TensorFlow, Azure AI

**Frameworks & Tools:** Flask, REST APIs, Microservices, Git, Azure

**Domains:** Foreign Exchange (FX), Front Office Trading Systems, FinTech, DevSecOps

## **EDUCATION**

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### **Bachelor of Technology – Computer Science with Business Systems**

2019 – 2023

Vellore Institute of Technology (VIT), Vellore · *Graduated 3rd in batch (Computer Science & Business Systems, 2019 cohort)*

- Technical Lead at Kite India (incubated startup) — led engineering during college.
- Cloud & Backend Developer at Papersdrop (incubated startup) — built cloud infrastructure and backend services.
- Active hackathon participant — computer vision, ML, and full-stack projects. Published DankBot on PyPI.