

# VIVEK NATHANI

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## EDUCATION

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**Symbiosis Institute Of Technology**  
*B.Tech in Information Technology*

2019-2023  
*Pune, India*

## EXPERIENCE

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### CTO

July 2024 - Present

*Mars Computers*

- We're building powerful remote desktops for creative professionals, using our fast, in-house video streaming pipeline written in Rust and APIs in Go.
- We raised capital from WTFund - India's premier non-dilutive grant fund for emerging entrepreneurs.

### Software Engineer

July 2023 - April 2024

*Investmint*

- Built the entire backend for having an in-app broking experience on top of an existing broker. Integrated their APIs into our ecosystem and securely exposed the data for our product. 12000+ orders were processed through this layer inside our app.
- Integrated Razorpay for putting the in-app broking layer behind a paywall.
- Built the news feed that sends the latest updates for all the companies who have their stocks listed on NSE. 70000+ news items were processed using OpenAI's models and 8000+ orders were placed because of these news items.
- Built the portfolio connecting feature that lets you import your portfolio from 10+ brokers in India and get detailed analysis on top of it. 16000+ portfolios were connected via this layer.
- Built inves-broker - A heavily used internal library written in Node.js for interacting with multiple broker APIs in the Indian stock market. The launch of this project led to a 96% increase in in-app orders.
- Technologies used: Node.js, PostgreSQL, Redis, Docker, MongoDB, and AWS.

### Software Engineer Intern

June - July 2022, December 2022 - June 2023

*Investmint*

- Implemented the REST APIs for displaying data of Indian stocks inside the app. Asynchronous jobs were implemented to process data of 2000+ stocks every day.
- Was the single person of contact for experimenting with API based trading in the early days via Zerodha and Dhan which eventually led to the inves-broker project.
- Used technologies like Node.js, PostgreSQL, Redis, and Render.

## PROJECTS

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### teachyourselfmath - A math PDF extraction engine.

[Live website](#)

*Using Node.js, TypeScript, PostgreSQL, Redis*

- Implemented an engine that takes LaTeX outputs of a PDF from an AI model, extracts the relevant math problems, and stores them in a database.
- Posted about this on Hacker News ([link](#)) - This led to 300+ upvotes and made it to the front page in the top 10 list.

## SKILLS

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### Languages

C++, JavaScript (primarily Node.js), Go

### Tools

Git, Linux, GitHub Actions, MySQL, PostgreSQL, MongoDB, AWS