

# NEEL RATN

Full Stack Software Engineer with 4+ yrs exp, focused on Frontend Architecture & Product Engineering.

[Github](#) | [Leetcode](#) | [LinkedIn](#) | [Website](#)

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## PROFILE SUMMARY

- Owned the full YieldFi frontend surface e2e Serving **70k+ registered users**.
- Developed **PerfDash** to benchmark **APIs, Web Vitals** and **interaction latency** across **multiple regions, devices and network conditions**, **reducing p95/p99 regressions** before production releases.
- Split app and marketing repos, **removing cross-team PR dependencies** and **boosting delivery speed 3x**.
- Built **GM Markets**, a trading app with **<300ms perceived latency**, Lighthouse **90+**.
- Integrated 5+ vendors** and open-source platforms (**Privy, TAC-TON Chain, Relay, TradingView, DefiLlama, CoinGecko, chain explorers** and more) to ship new features fast, **driving revenue-critical launches and boosting product visibility**.
- Built **Yfi-components**, a **multi-brand component library** with CSS design tokens, cutting **new-product launch time by (50-60)%** and powering **4+ brand rollouts, 7 applications**, and **50+ reusable UI components**.
- Rolled out **Sentry for real-time error alerts enabling instant fixes**, and **Amplitude & PostHog** for funnel analysis, heatmaps, and session recordings, **driving customer acquisition through data-backed product decisions..**
- Built **Vault Service and RWA Service** — powering real-time market data, portfolio positions and vault operations.
- Utilised AI tools **Antigravity, Cursor and Claude Code** at scale for **Spec Driven Development**
- At Bamboorose, introduced **microfrontend, monorepo (NX) & Storybook**-driven component library, **delivering a 4x developer experience improvement**, and reducing cross-team dependency.

## EDUCATION

- B.Tech. in Electronics & Communication Engineering (ECE), **NIT Uttarakhand** in 2017-2021
- Acciojobs Full Stack Web Development in 2022

## WORK EXPERIENCE

YieldFi | Software Engineer | Bangalore | 1st June, 2025 – 4th Aug, 2026

- Built **GM Markets** — a permissionless wallet-native trading interface for tokenised stocks, ETFs, commodities and FX across Arbitrum, Base and Ethereum, with real-time vault data, rewards tracking and on-chain yield dashboards.
- Built the **Curator Dashboard** — a private analytics and control panel for vault managers, featuring share analytics, token performance insights and configuration controls for new vault deployments.
- Built **YieldFi V3** - allowing users to invest in multiple vaults listed by Curators, getting points for every holding and **YieldFi V2** - allowing users to invest in listed Yield bearing tokens with major tokens
- Built **PerfDash** - API benchmarking, Web Vitals with lighthouse, Build Analyzer, and interaction latency testing across multi-region, multi-device, throttled CPU/network — cutting p95/p99 latency pre-deployment through report analysis.
- Built and owns three backend services — **Gateway Service, Vault Service and RWA Service** — the latter consuming Alpaca APIs to power **live stock charts, real-time trading data** and portfolio positions in GM Markets, integrating redis for faster response and in-memory caching.
- Developed **Telegram Web App** and **Marketing Bot** for YieldFi — handling notifications, broadcast messaging, error reporting and user engagement.
- Automated company operations via Zapier, Notion and Granola** — building an end-to-end pipeline for meeting notes, ticket generation and async team workflows.
- Built Transparency view with Debank apis, to analyze the protocols deployments for full visibility on chain.

Bamboorose India | Software Engineer | Bangalore | 4th Apr, 2022 – 30th May, 2025

Growth Path: Software Engineer Trainee (4th, Apr’22 – 30th, Jun’22) – Software Engineer (1st, Jul’22 – 30th, June’25)

- Architected and shipped Br-Components, a **centralised UI library** — adopted company-wide as the single source of truth for UI components.
- Implemented **micro-frontend architecture integrating a React app into a Java-based frontend via Web Components and Shadow DOM**, achieving a 3x improvement in developer experience and company-wide adoption.
- Introduced NX monorepo architecture for scalable applications and shared libraries, significantly improving code reusability and build performance across teams.
- Led Image Source Management project to delivery ahead of schedule through cross-functional collaboration and proactive scope management.
- Built a layout-driven Claims Management frontend with React and Redux, adding Drag & Drop, Versioning, Replace and Rearrange features that directly improved user workflow efficiency.
- Reduced page load time by 30% through code splitting, lazy loading and image optimisation — resulting in a 20% increase in user engagement.
- Owned Rose Clipper Chrome Extension (Manifest v3) end-to-end — development, performance tuning, security hardening and ongoing maintenance.
- Delivered Global Search and RESTful API integrations as a trainee, improving application accessibility and data retrieval performance from day one.

## CORE COMPETENCIES

- End-to-end Product Ownership
- Microfrontend Architecture
- Microservices architecture
- Design Systems & Component Libraries
- Web Performance Optimization
- DeFi & Web3 product development
- Real-time UI & WebSockets

## IT, AI, TOOL & SKILLS

- AI Tools:** **Cursor, Claude code, Antigravity**, Figma make, **Spec-driven development**
- Languages:** JavaScript, TypeScript, Java
- Frontend:** **Next.js, React.js, Redux.js, Tanstack.js**, Tailwind CSS, Shadcn, HTML, CSS/SASS. Playright, Jest
- Backend:** **Node.js, Express.js**, REST APIs, WebSockets, Java
- Build & Architecture:** Webpack, Vite, Micro-frontend, Chrome Extension (MV3), **Charts.js**, TradingView, Storybook, NX, Redis
- Web3 & DeFi:** **ethers.js, wagmi.js**, Defillama API, Telegram Web App SDK, Rainbokit, Privy
- Devops & Infra:** AWS, EC2, S3, Docker, Git

## PROJECTS

- [GM Markets](#)
- [YieldFi V3](#)
- [TG Mini APP](#)
- [Curator Dash](#)
- [Yfi-Component](#)
- [TG BOT](#)
- [YieldFi V2](#)