Naresh Ramesh
London, United Kingdom

🌐 ghostwriternr.me
 ghostwriternr
 ghostwriternr

✉ nareshmdu@gmail.com
📞 +44-7909804936
in naresh-ramesh

Work Experience

Mar '25 **Jul '23**	**Co-founder & CTO**	§Y **CodeStory (Y Combinator S23)**

- Led engineering for Aide, an AI-native IDE, processing 10 billion+ LLM tokens a day with a state-of-the-art 62% score on the real-world engineering benchmark, SWE-bench Verified, achieved by scaling test-time inference.
- Exposed editor internals like AST, LSP, document buffer, SCM and terminal as real-time inputs and 'tools' over a bi-directional streaming RPC layer for the code editing agent to power inline auto-completion and chat features.
- Built code search and repomap (using tree-sitter) as tools for the LLM to extract context from large codebases.
- Optimised buffer decorations and real-time diff rendering and UX to match 200 tokens/sec streaming output.
- Used Electron webviews for browser previews of frontend codebases, with built-in react-devtools mapping DOM nodes to source code as context, and auto-capturing console logs, network logs and screenshots for the agent.
- Raised $1.4M in pre-seed funding, managed 2 founding engineers and a Discord community with 2k+ members.

Jul '23 **Jun '20**	**Tech Lead - Payments**	S **Setu**

- Co-led the design and implementation for UPI switch, an enterprise-ready implementation of the UPI acquirer spec handling 500 million transactions a month from 150k merchants, deployed on-prem for Indian banks.
- Rebuilt the money movement architecture within a month amidst major regulatory changes, with no downtime.
- Managed a reporting team of 6 engineers through an acquisition, streamlined planning, on-call, incidents and docs, built internal tools & dashboards atop a new data lake to eliminate daily engineering support.

Software Engineer 3 - Payments

- One of only 2 engineers owning Setu's highest revenue generating products, UPI Deeplinks & BBPS Bill Collect.
- Designed and built refunds on UPI Deeplinks, with data and fund movement for automated & API-initiated flows.
- Wrote Setu's developer-facing console from scratch, covering authentication & authorization using Keycloak, 2FA, onboarding, product configuration, real-time & offline KYC, reports, user & API key management.
- Built a customizable no-code tool for billers to collect bill payments via BBPS by simply uploading Excel sheets.
- Created a specialised shortlinks service for UPI Deeplinks to handle the payment flows for web, Android & iOS.
- As an early engineer, grew the team from 5 to 35, gained expertise in Go, ECS, SQS, RDS, S3, DynamoDB, Cloudwatch, Terraform, Web security, fixing production with service & settlements continuity even after failures.

May '20 **Aug '18**	**Software Engineer 2 - Mint**	**INTUIT** **Intuit**

- Migrated the email & push notifications system (Android + iOS) for Mint's 4M MAU to a new system built on Kafka, allowing scheduled and on-demand pushes configured through an internal dashboard.
- Led CCPA compliance implementation for 'bills' with an async architecture for reading and deleting user data.

Software Engineer - Quickbooks Online (QBO)

- Built GraphQL APIs with caching enabled through Redis for cross-channel (Web, iOS and Android) billing support.
- Wrote a Java library adopted by several teams to publish business & performance metrics to Wavefront.

Site Leader for Open Source - Intuit India

- One of only 14 people working globally to set up Intuit's Open Source and Inner Source program from scratch, with me leading open source licensing specification with the legal team and building the community in India.

Jul '18 **May '18**	**Google Summer of Code (GSoC) student**	G▣ **gRPC (Google / Cloud Native Computing Foundation)**

- Added support for building gRPC Python's codebase with Bazel, using custom Skylark rules for Cython modules.
- Extended support to Google's internal CI (Kokoro) as well, allowing incremental build & test runs with Bazel.
- Reported issues with Python library module-level logger specification and Bazel's experimental pip support.

Education

2013 - 2018	Bachelors + Masters in **Computer Science and Engineering** Teaching assistant for Compilers (CS31003) and Data Structures (CS19001)	Indian Institute of Technology, Kharagpur 🏛