






## Work Experience

Mar '25 Jul '23	<b>Co-founder &amp; CTO</b>  <b>CodeStory (Y Combinator S23)</b> <ul style="list-style-type: none"><li>Led engineering for Aide, an Open Source AI-native IDE with 2k+ stars processing <b>10 billion+ LLM tokens a day</b>.</li><li>Shipped <b>State-of-the-Art coding agents in the editor, topping SWE-bench</b>, the real-world software engineering benchmark, with a 43% score in July '24 and 62.2% in December '24 achieved by scaling test-time inference.</li><li>Exposed editor internals like AST, LSP, document buffer, SCM and terminal as real-time inputs &amp; APIs over a bi-directional streaming RPC layer to a Rust binary to <b>power inline completion, agentic chat, and code editing</b>.</li><li>Built code search and repomap tools with ripgrep &amp; tree-sitter for the agents to filter context in large codebases.</li><li>Optimised buffer decorations &amp; <b>real-time diff rendering in TypeScript</b> to match 200 tokens/s streaming output.</li><li>Hooked into Electron internals to create an <b>in-editor browser to preview frontend codebases</b>, map DOM nodes to source code using react-devtools, and auto-capturing console logs, network logs &amp; screenshots for the agent.</li><li>Raised <b>\$1.4M in pre-seed funding</b>, managed 2 founding engineers and a Discord community with 2k members.</li></ul>
Jul '23 Jun '20	<b>Tech Lead - Payments</b>  <b>Setu (acquired by Pine Labs)</b> <ul style="list-style-type: none"><li>Co-led the design and implementation for UPI switch, an enterprise-ready implementation of the UPI acquirer spec handling <b>500 million transactions a month from 150k merchants</b>, deployed on-prem for Indian banks.</li><li>Rebuilt the money movement architecture within a month amidst major regulatory changes, with no downtime.</li><li><b>Managed a reporting team of 6 engineers</b> through an acquisition, streamlined planning, on-call, incidents, and docs, built internal tools &amp; dashboards atop a new data lake to eliminate daily engineering support.</li></ul> <b>Software Engineer 3 - Payments</b> <ul style="list-style-type: none"><li>One of only 2 engineers <b>owning Setu's highest revenue-generating products</b>, UPI Deeplinks &amp; BBPS Bill Collect.</li><li>Designed and built refunds on UPI Deeplinks, with data and fund movement for automated &amp; API-initiated flows.</li><li><b>Wrote Setu's developer-facing console from scratch</b>, covering authentication &amp; authorization using Keycloak, 2FA, onboarding, product configuration, real-time &amp; offline KYC, reports, user &amp; API key management.</li><li>Built a customizable no-code tool for billers to collect bill payments via BBPS by simply uploading Excel sheets.</li><li>Created a specialised shortlinks service for UPI Deeplinks to handle the payment flows for web, Android &amp; iOS.</li><li>As an <b>early engineer</b>, <b>grew the team from 5 to 35</b>, gained expertise in Go, ECS, SQS, RDS, S3, DynamoDB, Cloudwatch, Terraform, web security, ensuring service &amp; settlements resilience even after production failures.</li></ul>
May '20 Aug '18	<b>Software Engineer 2 - Mint</b>  <b>INTUIT Intuit</b> <ul style="list-style-type: none"><li>Migrated the <b>email &amp; push notifications system (Android + iOS) for Mint's 4M MAU</b> to a new system built on Kafka, allowing scheduled and on-demand pushes configured through an internal React dashboard.</li><li><b>Led CCPA compliance</b> implementation for 'bills' with an async architecture to archive and delete user data.</li></ul> <b>Software Engineer - Quickbooks Online (QBO)</b> <ul style="list-style-type: none"><li>Built GraphQL APIs with a Redis cache to support <b>cross-channel (Web, iOS and Android) billing</b> for Quickbooks.</li><li>Wrote a Java library adopted by several teams to publish business &amp; performance metrics to Wavefront.</li></ul> <b>Site Leader for Open Source - Intuit India</b> <ul style="list-style-type: none"><li>One of only 14 people working globally to <b>set up Intuit's Open Source and Inner Source program</b> from scratch, with me leading open source licensing specification with the legal team and building the community in India.</li></ul>
Jul '18 May '18	<b>Google Summer of Code (GSoc) contributor</b>  <b>gRPC (Google / Cloud Native Computing Foundation)</b> <ul style="list-style-type: none"><li>Added support for <b>building gRPC Python's codebase with Bazel</b>, with custom Skylark rules for Cython modules.</li><li>Extended <b>support for Google's internal CI (Kokoro)</b> as well, allowing incremental build &amp; test runs with Bazel.</li><li>Investigated issues with Python library module-level logger specification and Bazel's experimental pip support.</li></ul>

## Education

Apr '18 Aug '13	Bachelors + Masters in <b>Computer Science and Engineering</b>  Indian Institute of Technology, Kharagpur Teaching Assistant for Compilers (CS31003) and Data Structures (CS19001)
--------------------	---