

Mattaparthi Uendra Sai Teja

Senior Software Engineer · Fullstack

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PROFILE

- Senior fullstack engineer with **7 years of experience** with end-to-end ownership of production systems at fintech scale.
- At Coinbase (IC4 to IC5), designed config-driven UI frameworks (React, React Native) and Go backend services powering risk-critical user flows at **~1K RPS, P95 ≤ 100ms, 99.9% SLA**.
- Drove **~\$20M in fraud loss prevention** and **40%+ reduction in CX contact rates** through self-serve unblock flows, ML-driven case automation, and AI-agent platforms.
- Core stack: **React, React Native, Next.js, TypeScript, Go, Ruby on Rails, Node.js, Python, Cadence / Temporal**.
- IIT (ISM) Dhanbad alumnus.

TECHNICAL SKILLS

Frontend

React, React Native, Next.js, TypeScript, JavaScript, GraphQL, HTML5, CSS3, SCSS, Figma, Component Systems, Design System Adoption

AI / Agents

LangGraph, LangChain, agentic workflows, LLM-driven code generation

Backend

Go (Golang), Ruby on Rails, Sinatra, Node.js / Express, Python (FastAPI), SQL

Infra & Data

PostgreSQL, MongoDB, Redis, Kafka, Cadence, Temporal, Docker, Kubernetes, AWS

PROFESSIONAL EXPERIENCE

Senior Software Engineer (IC5), Coinbase

08/2024 – 05/2026
Bengaluru

- Designed and owned end-to-end a **BE-config-driven UI framework** (React, React Native, Go) on Experience Manager Platform, enabling engineers across teams to ship new risk-critical flows via orchestration handlers and YAML screen configs - no mobile redeloys. T0/T1 at **~1K RPS, P95 ≤ 100ms, 99.9% SLA**. Cut trivial mobile change delivery from **~2 weeks to hours**. Adopted by **7 flows** across **3 teams**.
- Architected an **AI-agent Risk-Checks Automation Platform** (Python/FastAPI, LangGraph, LangChain, React) that automates risk-check delivery for client teams - agents read PRDs/TDDs, propose required checks, and generate code referencing existing patterns, with in-platform review by analysts and engineers. Achieved **80–90% code accuracy**; automated delivery for 2 of 5 banking partners. Led a 2-engineer team.
- Built a Ruby-based **ML decisioning pipeline** automating ~42K analyst cases over 9 months. **Reclaimed ~3–5 FTE** of analyst capacity; cut manual caseload by **95%**.
- Owned **self-serve unban flows** end-to-end on Experience Manager Platform (React Native, React, Go). Enabled users to lift restrictions without CX involvement while maintaining compliance and loss targets. **Drove ~40% CX contact reduction and ~\$20M in fraud loss prevention**. Led a 2-engineer team.
- Led UI/UX for Restrictions Improvement (Code Yellow). Designed BE-config-driven dynamic messaging and iconography across web and mobile. Cut CX contact volume measurably.
- Scaled dispute email automation from **3 to 7 banking partners (of 16)** via multi-user / multi-dispute regex parsing. Eliminated manual analyst triage for newly covered partners.
- **Mentored an intern** on Rule Playground (cut analyst rule-authoring from hours to minutes, ~50% gain; intern got a return offer) and **junior engineers** in the Risk team on React/React Native and Ruby on Rails; supported on-call rotations.

Software Engineer (IC4), Coinbase

12/2021 – 07/2024
Bengaluru

- Built the **self-serve unban flow v1** (React, React Native, Go) – users lift restrictions via in-app verification (quiz, IDV) instead of contacting CX. **Cut CX contact rate by 60% (~2,500 cases/day)** within fraud/loss targets.
- Shipped push-notification **2FA feature** (Code Yellow): reusable React / React Native warning components, settings module, and pluggable 2FA prompts. **Reduced SMS 2FA costs by ~20%**.
- Designed and shipped a **Go / Cadence automation workflow** to auto-return stuck push payments after an inactivity window. **Eliminated ~30 hrs/week of manual analyst intervention.**
- Drove vendor cost-saving initiative: caching to suppress redundant third-party calls (~\$100K/yr) and bypassing null-response vendor calls (~\$300K/yr). Combined **~\$400K/yr savings.**
- Owned removal of the catch-all route and migration of risk components to modern services in a monolith decomposition effort, redirecting **1.2–3M req/day** away from the legacy codebase.
- Owned a **T2 Ruby/SQL cron service**; shipped auto limit-increase for HNW users and **security risk-mitigation rules** via Rule Engine.
- Built internal analyst dashboards (React + Go + ETL data) visualizing Rule Engine evaluations and actions. Enabled analysts to tune and audit rules without engineering involvement.

Senior Application Developer, BlueSapling Technologies

10/2020 – 11/2021
Bengaluru

- Led a team across React / Next.js / TypeScript frontend and Ruby on Rails backend for multiple client products.
- Defined and enforced frontend SOPs and UI/UX decision frameworks across the engineering org.
- Cut frontend bundle sizes by **~60%** via code splitting, dependency pruning, and build pipeline optimisation.
- Introduced Crashlytics error monitoring, reducing regression escape rate in production releases.
- Delivered a headless CMS (Next.js + WordPress). Accelerated content publishing for non-technical stakeholders.

Application Developer, BlueSapling Technologies

06/2019 – 09/2020
Bengaluru

- Built React / TypeScript features for Distributo and customer-loyalty products across high-volume traffic.
- Cut page load times by **~30%** via lazy loading, asset optimisation, and render performance improvements.
- Delivered high-fidelity prototypes (Adobe XD, InVision) for client-facing design reviews.

EDUCATION

B. Tech., Chemical Engineering,

Indian Institute of Technology (Indian School of Mines), Dhanbad

2015 – 2019
Dhanbad

NOTEWORTHY PROJECTS

My Portfolio [↗](#)

AI-native portfolio with a conversational interface. Built with Preact, UnoCSS, and anime.js.

Lean-SVG [↗](#)

Developed a tool to optimize SVG by removing cluttering and flatten the transforms. Made using Vue.js, SVGO, anime.js

RECOGNITION

- Site of the Day, BestCSS [↗](#)
- Site of the Day Award Nominee, CSSWinner [↗](#)