

KUNDAN THONDA

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SUMMARY

Software engineer working across mobile, backend and platform at Copart: React Native and TypeScript on the client, and Node.js, Redis and CI on the server. Owned over-the-air updates, reCAPTCHA Enterprise and the UK identity-verification migration end to end, shipping each behind staged rollouts, and builds AI developer tooling used daily across Copart engineering.

EXPERIENCE

Copart, Member Mobile

Sept 2025 - Present

Software Engineer · Dallas, TX

- Designed and built **over-the-air updates** across the app and Node.js server: code-signed bundles, staged rollout, and a CI gate that rejects any bundle needing a store release. JS fixes now reach users in minutes, with end-to-end signature checks and unit tests on every release.
- Integrated **reCAPTCHA Enterprise** on client and server across login, registration and bidding, protecting **3.7M+ sessions in two months**. Used per-market flags for staged rollout, recovered from SDK failures without blocking sign-in, and added **Account Defender** to provide login and registration outcome feedback for risk assessment.
- Built the mobile **registration flow** (payment with 3DS, ID verification, OCR document scan, business documents) for buyers in **10+ countries and 10 languages**.
- Led the UK identity-verification migration from **LexisNexis to Veriff** before contract expiry. Used per-market flags for separate UK and Ireland launches, with retry limits and a legacy-flow fallback.
- Designed the **in-app content service**: Payload CMS publishes to Redis, allowing the API to serve cached alerts during CMS outages, with the database continuously backed up to S3. The business now publishes alerts and banners without an app release.
- Built a **Claude Code launcher used by 500+ Copart engineers** that routes sessions through the internal model gateway, with model switching and live spend and quota tracking. Rolled out shared team skills for tickets, PR review, releases and TestFlight, AI PR review in CI, and token-cost controls.
- Built an internal **agent platform on Google ADK and Gemini**: an orchestrator routes questions to read-only codebase, Datadog and Crashlytics agents over vector search and a code graph (Graphify), exposed through MCP servers. Fixes go through a separate human-approved service that opens draft PRs, so no agent holds write access. Now adding confidence-based model routing.

React Native

TypeScript

iOS / Android

Node.js

Redis

Payload CMS

Gemini / Google ADK

MCP

Maestro

Provalus (Optomi)

Feb 2025 - May 2025

Software Development & Service Management Intern · Texas, USA

- Connected ServiceNow workflow automation to REST APIs and C#/.NET services, with scheduled jobs and business rules that removed manual operations work.
- Built system health and incident dashboards the operations team adopted for weekly reporting.

Stephen F. Austin State University

Jun 2024 - Aug 2025

IT Help Desk Technician (Part-time) · Nacogdoches, TX

- Troubleshoot access, account and device issues for a 10,000+ student campus, building the debugging habits that carried into software engineering.

PROJECTS

Reactotron Fork React Native · TypeScript

- Extended the React Native debugger with Swagger-style API docs and request inspection, now used by the mobile team.

Pitwall TypeScript

- Building a macOS workspace that puts terminals and coding agents on one canvas, with a session registry that tracks Claude Code sessions across shells and shows each project as a live board.

Munder Difflin React · TypeScript

- Customizing this open-source multi-agent harness for the team’s workflow ahead of a team rollout.

Local Voice Dictation Swift

- Building a private, on-device alternative to Wispr Flow on top of the open-source FluidVoice.

Portfolio RAG Assistant kundan-thonda-portfolio.vercel.app

- Retrieval-augmented chatbot that answers questions about my work.

Voice-Assisted Receiving App React · Python · Azure

- Turns spoken warehouse input into structured records with Azure Speech-to-Text.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C#, SQL, Shell (Bash)

Mobile: React Native, iOS (Xcode, TestFlight), Android (Gradle), Fastlane, OTA (expo-updates), MobX

Web & Backend: React, Next.js, Node.js, Express, Payload CMS, REST APIs

AI & Agents: Claude Code (skills, hooks, subagents), MCP servers, Google ADK, Gemini on Vertex AI, RAG, embeddings, vector search, Graphify, Obsidian (agent knowledge base), token and cost management

Data & Cloud: PostgreSQL, Redis, SQLite, GCP (Cloud Run, Cloud SQL), Amazon S3

Observability: Firebase Crashlytics, FullStory, Datadog, feature flags (Unleash)

Identity & Security: reCAPTCHA Enterprise, Veriff

Tools & Testing: Git, GitHub Actions, Docker, Jest, Maestro

EDUCATION

Stephen F. Austin State University

Graduated Aug 2025

B.S. Computer Science · GPA: 3.6 · Nacogdoches, TX

CERTIFICATIONS

- ServiceNow Certified System Administrator (CSA), No. 27037950, Issued 2025