

Andrew D. Gundersen

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SUMMARY

Software engineer with 7 years in core APIs including authentication, data aggregation, payments, event-driven, stateful services and AI inference. Also experienced in fullstack technologies to deliver products end-to-end.

EXPERIENCE

Freelance Software Engineer

Feb 2025 — Present

Ezre & Reliable Residence

New York, NY

- Designed and built a cross-platform digital receipts app (Ezre) for vision-impaired users as sole developer in 4 months, with Square as the first integrated merchant
- Architected a multi-merchant backend on FastAPI, Neon Postgres, and AWS S3, with a real-time receipt delivery pipeline using Square webhooks and fuzzy matching on card data to resolve users when identity is not disclosed
- Led the rebuild of a seed-stage rental platform (~1,000 properties, ~500 users) in 5 months, designing a 5-state booking state machine across 8 Postgres tables that reduced time-to-book from ~3 days to under 5 minutes
- Integrated Stripe Identity for automated tenant/landlord verification and migrated the data layer from Firebase to Neon Postgres, AWS S3, and FastAPI on Fly.io, unlocking richer queries and faster feature development

Senior Software Engineer

Jun 2021 — Feb 2025

Accenture

New York, NY

- Cut page load time by 2s for a global banking app by building a Spring Boot service aggregating ~500-line responses from 3 core APIs into one ~40-line view model, removing 2 frontend API calls and ~100 lines of logic
- Built a configurable form wizard in AngularJS with a declarative JSON config system supporting 5 input types, used by ~200 employees and adopted by a second project
- Spearheaded a cross-functional UI component library across 3 engineers and 5 designers, growing it to 10 components used across 20+ screens and reducing design-engineering revision cycles
- Refactored a banking portal microapp by removing rxjs and axios in favor of native web APIs, replaced **any** types with real interfaces, and reduced bundle size by ~100KB across 30 files

Co-Founder and CEO

May 2019 — Jun 2021

Crimata

Milwaukee, WI

- Built an AI-powered personal assistant with an audio-first UX, leading a 3-engineer team as technical founder and largest contributor
- Forked PortAudio in C to add hotplugging, then wrote Node.js native bindings ([nodeaudio](#)) exposing it to the Electron client, letting users switch headsets mid-session without tearing down the audio stream
- Architected a real-time chat system across three layers (Electron renderer, Node.js main, Python asyncio back-end) with event-driven persistence and in-memory caching of the last 100 messages for AI context

SKILLS

Languages	Python	Java	TypeScript	C/C++
Backend	FastAPI	Spring Boot	Node.js	REST
Frontend	React.js	Next.js	AngularJS	Electron
Data & Infra	Postgres	AWS	Stripe	TensorFlow

EDUCATION

Bachelor of Science in Engineering Physics

May 2019

Xavier University