

JOSHUA KESSELL

FULL-STACK DEVELOPER · AI-AUGMENTED ENGINEERING

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SUMMARY

Full-stack developer with **six years of enterprise experience** in Java/Spring and React/TypeScript across aviation, automotive, healthcare, and government. Since 2025, building and delivering **complete production applications solo** using AI-assisted development, most recently a **client check-in platform taken from concept to final delivery in under a year**. Enterprise engineering judgment, now applied at AI speed.

BEYOND VIBE CODING: AI coding agents (Claude Code) held to enterprise standards, with typed API contracts, code review discipline, test coverage where it matters (Vitest unit, Playwright end-to-end), and security-aware integrations. Experience is what turns AI speed into shippable software.

INDEPENDENT & CONTRACT WORK

2025 – PRESENT

Independent Product Engineer · Member Check-In Platform, Private Club Chain (Contract)

DALLAS, TX

Sole engineer: managed the full product lifecycle and orchestrated the end-to-end deployment · TypeScript, Next.js, PostgreSQL, Square API.

- Replaced manual front-desk entry with **driver's license barcode-scan check-ins**, cutting average peak-hour check-in time by **50% and shaving 3 minutes off every visit**. Faster check-ins ended lines at the door and raised member satisfaction.
- Engineered **bi-directional member and transaction sync with the client's existing Square POS**, so the club kept its current system, plus a live arrivals dashboard for front-desk staff.
- Architected passive data restructuring: every check-in converts **previously unstructured legacy records into a clean relational schema**, enabling fast, reliable management reporting the old system couldn't produce.
- Enforced enterprise standards: typed API contracts, **Vitest unit + Playwright E2E coverage** on critical flows.
- Interactive case study and full portfolio: joshuakessell.com

PROFESSIONAL EXPERIENCE

FULL-TIME · 2019 – 2025

Full-Stack Developer · TEKsystems Global Services

DALLAS, TX · 2019 – 2025

Client engagements across four industries; mentored junior developers and collaborated with cross-functional client stakeholders (product, QA, ops). 100% on-time delivery, zero critical post-production defects.

Android / Java Developer · United Airlines

2022 – 2025

- Developed and maintained **three Android luggage-tracking apps used by 200+ airport staff daily**, reducing lost-baggage incidents by 25%.
- Engineered Spring Boot REST APIs streaming real-time status (+40% retrieval speed); PIN-based SSO cut login time 50%.

Backend Java Developer · GM / OnStar

2021 – 2022

- Built a Spring Boot product-fulfillment API processing **hundreds of orders per day via Kafka**; spearheaded fault-tolerant messaging pipeline reaching 99.9% delivery reliability.

Angular Developer · Relias Healthcare

2020 – 2021

- Migrated a legacy .NET training system to Angular 10, **boosting load times 50%**; coordinated REST API design ensuring 100% HIPAA compliance; added gamification that increased learner engagement.

Automation Engineer · Perspecta

2019 – 2020

- Authored Ansible playbooks for bare-metal migrations to **AWS GovCloud**, **cutting provisioning from 4 hours to 15 minutes** and eliminating manual errors; delivered a one-click deployment proof of concept.

TECHNICAL SKILLS

AI-ASSISTED DEVELOPMENT	Claude Code with custom-authored Skills: every PR reviewed by Claude, Gemini, and Codex, findings merged and cross-checked to filter hallucinations; blue-green CI/CD; MCP integrations, agentic workflows
LANGUAGES & FRONTEND	TypeScript, JavaScript (ES6+), Java SE 17, SQL · React, Next.js, Angular, Tailwind CSS, Vite
BACKEND & DATA	Spring Boot, Node.js, Express, Fastify, REST, GraphQL, OAuth2, Apache Kafka, WebSockets · PostgreSQL, MySQL, MongoDB, Drizzle ORM
CLOUD, DEVOPS & TESTING	Vercel, AWS, Docker, Kubernetes, Ansible, Git, CI/CD · Vitest, Playwright

EDUCATION & CERTIFICATIONS

Post Graduate Program, Generative AI for Business Applications, University of Texas at Austin · **4.33 GPA**

MAY 2026

AI on Cloud and Introduction to SQL with MySQL certifications

MAY 2026

Full-Stack Web Development Certificate, SMU (2018) · **BA, Computer Science**, University of Phoenix (in progress)