# Taylor Cox

Software Engineer · Full-Stack · AI Developer Tooling

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Frisco, TX
Open to relocation

> Full-stack software engineer since 2016 across Java/Spring Boot, Angular, and AWS/Kubernetes. Co-leads the T-Mobile for Business team behind the Partner Interaction Layer, a partner integration platform that has brought in ~300K new wireless lines. Led go-live for a multi-million-dollar enterprise integration and built the agentic development tooling on Claude Code and MCP that most of the team now uses. Previously built software for the AIM-120 AMRAAM and AGM-154 JSOW programs at Raytheon.

## EXPERIENCE

### T-Mobile · Software Engineer
Jun 2021 – Present
Frisco, TX

- Co-lead the team behind the Partner Interaction Layer (PIL), T-Mobile for Business's integration platform for Telecom Expense Management partners: Spring Boot services behind API gateways and partner order flows with production monitoring, handling ~50,000 calls a day across ~12 partners and bringing in ~300K new wireless lines.
- Managed delivery of developer.t-mobile.com, T-Mobile's public API developer portal; led design reviews, mentored engineers, interviewed SDET candidates, and reviewed merge requests across the team.
- Led go-live readiness for a multi-million-dollar Telecom Expense Management integration with a top-tier financial-services customer, one of the division's largest: owned order-failure analysis, fix validation, and capacity, monitoring, and escalation alignment with the customer program; rated one of the smoothest integrations the program has run.
- Built the team's agentic workflow on Claude Code, Jira and GitLab MCP servers, and custom agents: an agent takes a ticket link to an open merge request with AI-assisted review and bug fixing. Cut typical per-ticket development time from days to hours; onboarded most of the 11-engineer team and set its verification standards for AI-generated code.
- Served as operations lead for a billing and payments portal serving millions of business customers, running incident management across domains; built Splunk and Grafana health checks and outage alerts for critical customer flows, and led a cross-functional effort that cut customer-reported defect resolution from weeks to under 24 hours.
- Led the migration of 100+ external SaaS API integrations from Apigee to T-Mobile's internal API gateway on hybrid AWS with a zero-downtime cutover, managing high-availability edge proxies, routing, and throttling rules; spearheaded a zero-trust initiative using proof-of-possession tokens, JWE encryption, and token validation at every hop.

### Raytheon Missiles & Defense · Software Engineer (Tech Student Senior)
Jun 2016 – Jun 2021
Tucson, AZ

- Designed software architecture for new AIM-120 AMRAAM capabilities and developed simulation software.
- Integrated the AGM-154 JSOW with the Joint Mission Planning System (JMPS), the DoD's mission-planning software.
- Ran Formal Qualification Testing with software quality engineering for each release and built custom test-automation frameworks that cut manual test effort and errors.
- Served as Scrum Master, leading the team's transition from Waterfall to Agile delivery.

### Apollo Robotic Systems · Backend Developer
Aug 2015 – Apr 2016
Tucson, AZ

- Built backend services and public APIs for a full-stack drone airspace reservation system, from concept to delivery, letting third-party platforms integrate with aerial traffic management, autonomous routing, and planning.

## SKILLS

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|---|---|
| **Languages** | Java · TypeScript · JavaScript · Python · SQL |
| **Frameworks & APIs** | Spring Boot · Angular · React · Node.js · Next.js · REST APIs · microservices · Apigee |
| **Cloud & DevOps** | AWS · Kubernetes · Docker · GitLab CI/CD · Splunk · Grafana |
| **Data** | PostgreSQL · Redis · MySQL |
| **Identity & Security** | OAuth 2.0 / SSO · Microsoft Entra ID · IAM · PoP tokens · JWE · zero-trust architecture |
| **AI Tooling** | Claude Code · MCP servers · custom agents · AI code review & verification |

## EDUCATION

### University of Arizona · Computer Science; completed all upper-division CS coursework