

Travis "Mac" McCoy

Full-Stack Software Engineer • Security & Trust Architect

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Full-Stack Software Engineer blending information security, operational safety, and ethical system design. Proven track record in high-stakes incident command, threat assessment, and emergency response. Technical expertise in Python, Django, TypeScript, React, PostgreSQL, Docker, and privacy-first architecture. Focused on building trust-centered, accessible applications that anticipate misuse and strengthen public confidence.

Technical Skills

Languages:	Python, JavaScript, TypeScript, SQL, C#
Frontend:	React, Next.js, Angular, Flutter, HTML5, CSS3
Backend:	Django, Node.js, Express, FastAPI, REST APIs
DevOps:	Git, Docker, CI/CD, AWS, Heroku, Vercel
Security:	Threat Modeling, Risk Assessment, Access Control
Other:	Testing, Debugging, WCAG, Agile, Documentation

Professional Experience

Junior Developer & Security Contributor — VolunQueer	Nov 2025–Present
<ul style="list-style-type: none">Contributing Django/PostgreSQL volunteer platform; authored RBAC and data minimization guidelinesBuilt debugging utilities for React-Django data flows; supported AWS/Supabase to Docker migrationImproved accessibility (WCAG), form UX, and consent-driven onboarding workflows	
Correctional Officer V — Texas Department of Criminal Justice	2017–2024
<ul style="list-style-type: none">Incident Commander for fires, medical crises, assaults; trained 50+ officers in emergency protocolsSTG intelligence analyst; monitored communications, identified recruitment patterns and prohibited materialsSupervised 30-person kitchen crews producing 2,000 meals/shift; maintained strict inventory controls	
Production & QA Technician — KitchenAid (Whirlpool)	2015–2017
<ul style="list-style-type: none">Stand Mixer assembly line QA; applied Lean/Kaizen/5S for quality and workflow optimization	
Quality Inspector — Moriroku (formerly GTI)	2012–2015
<ul style="list-style-type: none">Flawless 3-year quality record inspecting Honda components; prevented costly assembly line stoppages	

Featured Projects

StirCraft (Team Lead) Django cocktail app with 245 Python + 23 JS tests (100% coverage), advanced search, vibe filtering, data normalization pipeline for 400+ cocktails Django • PostgreSQL • Redis • Heroku	
SitesByMac Portfolio Next.js 15/TypeScript portfolio with WCAG AA accessibility, automated PDF resume generation, Jest/RTL testing, Vercel CI/CD Next.js • TypeScript • Tailwind • jsPDF	
DreamWeaver Backend Node.js/Express sleep tracking API with JWT auth, RBAC, bcrypt hashing, ownership validation, realistic data seeding Node.js • Express • MongoDB • JWT	
HappeningHere (Prototype) LLM-powered platform surfacing grassroots events, free meals, community resources within zip-code radius with SMS handoff React • FastAPI • LLM Integration • SMS	

Education

General Assembly — Software Engineering	2025
Ohio University — Undergrad Coursework	2009–2010
Wright State — Dual Enrollment (Dean's List)	2007–2009
Celina HS — Honors Diploma (Top 10%)	2009

Certifications & Awards

◆ GA Certificate (2025) ◆ Beto Excellence Award ◆ CPR/AED ◆ Firearms Cert. ◆ 51 WPM Typing

Associations

◆ Out in Tech ◆ Allies in Tech ◆ MARC ◆ Dayton Web Dev