

# 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

- Contributing Django/PostgreSQL volunteer platform; authored RBAC and data minimization guidelines
- Built debugging utilities for React-Django data flows; supported AWS/Supabase to Docker migration
- Improved accessibility (WCAG), form UX, and consent-driven onboarding workflows

### **Correctional Officer V** — Texas Department of Criminal Justice

2017–2024

- Incident Commander for fires, medical crises, assaults; trained 50+ officers in emergency protocols
- STG intelligence analyst; monitored communications, identified recruitment patterns and prohibited materials
- Supervised 30-person kitchen crews producing 2,000 meals/shift; maintained strict inventory controls

### **Production & QA Technician** — KitchenAid (Whirlpool)

2015–2017

- Stand Mixer assembly line QA; applied Lean/Kaizen/5S for quality and workflow optimization

### **Quality Inspector** — Moriroku (formerly GTI)

2012–2015

- 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) ◆ Beta Excellence Award ◆ CPR/AED ◆ Firearms Cert. ◆ 51 WPM Typing

## ◆ Associations

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