

Travis "Mac" McCoy

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Professional Summary

Security & Compliance professional transitioning into full-stack development. Seven years of high-stakes correctional operations including incident command, threat assessment, emergency response, and training. Technical experience with Python, Django, TypeScript React, SQL, Docker, accessibility, and privacy-first design. Strong communicator, mentor, and systems thinker focused on community-driven, ethical, and inclusive technology.

Technical Skills

Technical:

Python, Django, JavaScript, TypeScript, React, Next.js, SQL, REST APIs, Git, CI/CD, Testing, Debugging Utilities, Docker, AWS (developing), FastAPI, C#, Angular, Flutter

Security & Privacy:

Threat Modeling, Risk Assessment, Access Control Design, Data Minimization, Consent-Driven Flows, WCAG Accessibility

Operational:

Incident Command, Emergency Response, Behavioral Observation, PREA Compliance, Documentation, Audit Readiness

Administrative:

Microsoft Office, Google Workspace, Recordkeeping, Policy Interpretation, 51 WPM Typing

Professional Experience

Junior Developer & Security/Privacy Contributor — *Volunqueer* 2025–Present

Remote

- Contributed to Django/PostgreSQL platform connecting volunteers with community organizations.
- Supported migration from AWS/Supabase to Dockerized Django-served TypeScript React.
- Built debugging utilities to trace React/Django data flows.
- Authored security, privacy, and data-minimization guidelines.
- Led architecture discussions for consent-driven volunteer profiles.
- Improved accessibility and reduced form intimidation.
- Collaborated through GitHub issues, PRs, and async communication.

Correctional Officer V — *Texas Department of Criminal Justice* 2017–2024

Huntsville, TX

- Served as on-scene Incident Commander for fires, medical crises, assaults, and disturbances.
- Directed emergency procedures and delivered concise situation reports.
- Identified STG activity, prohibited materials, and recruitment indicators.
- Initiated protective protocols for vulnerable individuals.
- Maintained situational awareness to detect early conflict indicators.
- Conducted inspections and generated maintenance work orders.
- Supervised 30-person kitchen crews producing ~2,000 meals per shift.
- Trained new officers and applied CPR/AED during real emergencies.
- Contributed to ACA accreditation through audits and documentation.

Production & QA Technician — *KitchenAid Distribution Center (Whirlpool)* 2015–2017

Greenville, OH

- Worked on KitchenAid Stand Mixer line including robotic machining and QA testing.
- Applied Lean, Kaizen, and 5S principles.

Quality Technician — *GTI Greenville Technology Inc. (Moriroku Network)* 2012–2015

Greenville, OH

- Inspected auto-grade injection-molded components for Honda models.

- Maintained Kanban flow and 5S organization.

Software Projects

StirCraft — *Django Cocktail Discovery & Social Sharing App* 2025

stircraft-app-0dd06cf5d30a.herokuapp.com | github.com/macfarley/stir-craft

- Architected and implemented production-ready Django application with 6 database models and advanced relationships.
- Designed ABV calculation algorithms, recipe forking with attribution tracking, and intelligent tag management.
- Implemented 57 automated tests achieving 100% critical path coverage.
- Built demo data system with 15+ themed users and 300+ interactions.

Technologies: Django, Python, PostgreSQL, Bootstrap, JavaScript, Heroku, AJAX

DreamWeaver — *Sleep Journaling & Tracking Tool* 2025

dream-weaver-rho.vercel.app | github.com/macfarley/dream-weaver

- Developed full-stack MERN application with authentication, data persistence, and responsive design.
- Implemented mood correlation and pattern analysis features.
- Designed data visualization dashboard using modern JS charting libraries.

Technologies: React, Vite, Node.js, Express, MongoDB, JavaScript, CSS3, Vercel

Silent Auction App — *Mobile Bidding Platform* *In Development*

Mobile-friendly bidding platform for community fundraisers featuring QR lookup, organizer dashboard, real-time bids, and SMS updates.

Technologies: Flutter, FastAPI, Spring Boot, QR Codes, SMS Integration

Office Quatermaster — *Inventory Management System* *In Development*

Lightweight inventory management for small offices and clinics with role-based access and reporting.

Technologies: Angular, C#, .NET, Role-Based Access Control

Education

General Assembly — Software Engineering Immersive 2025

480-hour intensive program covering: HTML5/CSS3, JavaScript/TypeScript, React/Next.js, Node.js/Express, MongoDB/PostgreSQL, Django/Python, REST APIs, Git, Agile/Scrum, JWT Auth, Deployment (Vercel/Netlify/Heroku), TDD, Database Design

Ohio University — Undergraduate Coursework 2009-2010

Wright State University — Lake Campus — Dual-Enrollment Coursework 2007-2009

72 quarter hours, Dean's List

Celina High School — Honors Diploma, Top 10% 2009

Certifications & Awards

- **Software Engineering Immersive Certificate** — General Assembly (2025)
- **George Beto Excellence Award** — Texas Department of Criminal Justice (2017)
- **CPR/AED Certified** — American Red Cross (2024)
- **Firearms Recertification** — Texas Department of Criminal Justice (2024)
- **Ratatype Silver Typing Certification** — 51 WPM (2025)

Professional Associations

Men Advocating Real Change • Allies in Tech • Out in Tech • Dayton Web Dev Meetup • Miami Valley Unitarian Universalists • Dayton Mercy Society (Volunteer)