

# Travis “Mac” McCoy

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## Professional Summary

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Software developer with hands-on Python/Django and JavaScript experience, plus extensive background in quality assurance and technical documentation. Combines recent full-stack development projects with 7 years of proven process compliance and team leadership from administrative security. Brings Courage, Commitment, Perseverance, and Integrity to every role, whether writing code, conducting tests, or supporting users. Seeking junior developer, QA engineer, technical support, or similar roles where strong problem-solving, documentation, and collaborative practices drive success.

## Technical Skills

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### Programming & Development

- Python, Django, Django REST Framework
- JavaScript (ES6+), TypeScript
- React.js, Next.js, HTML5, CSS3
- RESTful API Development & Integration
- PostgreSQL, MongoDB, SQLite

### Infrastructure & Operations

- Git, GitHub, Branch Management
- Docker, CI/CD Pipelines
- GitHub Actions, Automated Deployments
- Linux/Ubuntu, Shell Scripting
- Cloud: Heroku, Vercel, AWS Amplify

### Quality Assurance & Testing

- PyTest, Jest, Cypress (E2E)
- Test-Driven Development (TDD)
- Integration Testing, Quality Control
- Postman API Testing, Chrome DevTools
- Test Coverage Analysis, Bug Tracking

### Project Management & Collaboration

- Agile/Scrum Methodologies
- GitHub Projects, Jira
- Technical Documentation
- Cross-team Communication
- Distributed Team Coordination

### System Administration

- Process Flows & Knowledge Base
- HIPAA/PII Data Compliance
- Security System Implementation
- Performance Optimization
- Resource Management

### Professional Operations

- Documentation & Training Materials
- Standard Operating Procedures
- Regulatory Compliance Management
- Process Improvement
- Team Leadership & Mentoring

## Education & Professional Development

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**Software Engineering Immersive** — General Assembly (2025) - 480-hour intensive full-stack development program - JavaScript/React, Python/Django, PostgreSQL - Collaboration via Zoom and Slack - Developed 4 full stack CRUD applications with WCAG accessibility and mobile-first responsive design

**Additional Education** - Wright State University: Social Science and Statistics coursework (2007–2009) - Celina High School: Honors Diploma (2009)

**Ongoing Technical Education** (2023–Present) - Harvard CS50x: Introduction to Computer Science - Harvard CS50w: Web Programming with Python/JavaScript - Azure Fundamentals certification (in progress) - Cloud architecture exploration (AWS, Azure) - The Odin Project & FreeCodeCamp

## Professional Experience

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### **VolunQueer — Junior Django Developer** (Remote) — Portland, OR • November 2025–Present

*Platform connecting LGBTQ+ volunteers with community organizations - Pre-launch development phase*

- Collaborate in distributed team environment using GitHub Projects for sprint planning and Discord/Google Meet for synchronous communications
- Participate in strategic migration from AWS Amplify to Django/PostgreSQL stack, focusing on maintainability and scalability
- Implement test-driven development practices with PyTest, achieving comprehensive test coverage for new features
- Adapt TypeScript/React components to Django templates while maintaining WCAG accessibility standards
- Document technical decisions and migration patterns in shared knowledge base using Google Docs
- Participate in daily standups, sprint planning, and retrospectives across multiple time zones
- Utilize asynchronous code review processes to maintain code quality in distributed team setting

### **Texas Dept. of Criminal Justice — Correctional Officer V** — Huntsville, TX • Aug 2017–Nov 2024

*Supervisory role demonstrating enterprise-grade documentation and compliance practices*

- Maintained 7-year perfect audit record through meticulous documentation and process adherence
- Led armed transport of inmates into free world hospitals where enhanced security vigilance was required for public safety.
- Implemented systematic approach to shift handover documentation, improving information accuracy
- Achieved consistent certification renewal through continuing education and performance evaluation

### **Manufacturing Quality Operations** — Greenville, OH • 2013–2017

*Progressive experience applying Kaizen Lean principles and quality assurance methodologies*

**KitchenAid/Whirlpool** (2015–2017) - Performed systematic QA testing on 700+ units daily, maintaining detailed defect tracking - Reduced inspection time 25% through process optimization and 5S methodology - Contributed to 15% reduction in return rates through enhanced quality control procedures

**GTI Greenville Technology** (2013–2015) - Managed critical quality standards for automotive components with high-value impact - Implemented Lean principles reducing process bottlenecks by 30% - Conducted root-cause analysis for supply chain optimization

## Featured Projects

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### **SitesbyMac.dev — Portfolio & Blog Platform •**

*October 2025*

*Next.js, TypeScript, TailwindCSS, Jest*

- Built custom blog engine with MDX support and automated syntax highlighting
- Integrated GitHub API for real-time project showcase
- Achieved 98+ Lighthouse scores across all metrics
- **Source:** [github.com/macfarley/sitesbymac-professional-profile](https://github.com/macfarley/sitesbymac-professional-profile)

### **StirCraft — Cocktail Discovery Platform • August 2025**

*Django, PostgreSQL, Python, Bootstrap*

- Led 3-person agile team using GitHub Projects
- Architected schema with 6 interconnected models
- 100% test coverage with 57 automated tests
- **Source:** [github.com/macfarley/stir-craft](https://github.com/macfarley/stir-craft)

### **Dream Weaver — Sleep Analysis Platform •**

*September 2025*

*MERN Stack, JWT Auth*

- Built full-stack app with role-based access control
- 60% performance gain via MongoDB optimization
- Cross-browser testing across 5 platforms
- **Source:** [github.com/macfarley/dream-weaver](https://github.com/macfarley/dream-weaver)

### **Fridge Buddy — Django Food Inventory App** *Django,*

*HTML5, CSS3, SQLite* - Manage food inventory across fridge, freezer, pantry, and shopping lists - Track expiration dates, organize by category, and reduce food waste - Smart organization, semantic URLs, and responsive templates - Planned features: barcode scanning, notifications, analytics, and recipe suggestions - **Source:** [github.com/macfarley/fridge-buddy](https://github.com/macfarley/fridge-buddy)

*Additional projects and contributions at [sitesbymac.dev/projects](https://sitesbymac.dev/projects)*