

FULL STACK SOFTWARE ENGINEER

DREW FOSTER

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 8+ years of experience building scalable operational platforms, workflow automation systems, and user-focused software solutions. Experienced in code production and refinement, consolidating fragmented systems, and delivering measurable operational improvements for military and nonprofit organizations. Strong background in React, API integration, CI/CD infrastructure, and overall web development with a focus on mission-driven and cost-effective technology solutions.

TECHNICAL PROFILE

Frontend Development

React, Typescript, Javascript, Tailwind
CSS, Material UI, Responsive Design,
Wordpress

Backend Development

Spring Boot, REST APIs,
Authentication Systems, Workflow
Automation

Cloud, Devops, & Infrastructure

Docker, CI/CD, Git, Cloud
Infrastructure, Deployment Automation,
Kubernetes

Data Persistence

MySQL, MariaDB

Proficient Languages

Javascript, Typescript, Python, HTML,
CSS, Java, Deluge, C++

Technical Leadership

Technical Strategy, Cross-function
Leadership

EXPERIENCE

Software Engineer

Red 5 – Air Force | Langley AFB, VA

Mar 2019 – May 2021

- Developed and deployed 4 full-stack applications containing 240+ features used by 500+ operational users.
- Architected CI/CD infrastructure across 3 secure platforms supporting 1,000+ global users.
- Collaborated with engineering and leadership teams to streamline API integrations and reduce development bottlenecks.
- Reduced operational workload by approximately 1 hour per shift through workflow automation and process optimization.
- Mentored developers from multiple technical backgrounds, achieving a 100% increase in team capacity.
- Translated operational requirements based on user feedback into scalable software solutions.

Full Stack Web Developer

Meeple-a-thon | Kansas City, MO

Feb 2024 – Oct 2025

- Built and maintained scalable web applications supporting nonprofit operational workflows.
- Designed custom WordPress solutions to reduce redevelopment overhead and improve maintainability.
- Established deployment and implementation processes for junior developers and contributors.
- Improved usability and long-term scalability through responsive design and workflow-focused development.

Software Solutions Director

Meeple-a-thon | Kansas City, MO

Nov 2025 – Present

- Led modernization of nonprofit operational platforms supporting 4,000+ users.
- Consolidated 7 disconnected systems into a unified operational solution.
- Designed scalable operational workflows integrating events, communications, volunteer coordination, and financial systems.
- Evaluated and implemented cost-effective alternatives to commercial convention management software.

Ground Mission Supervisor

Air Force | Langley, AFB VA

Nov 2021 – Jul 2022

- Led 24/7 operational coordination teams in high-pressure environments requiring rapid decision-making and continuous system reliability.
- Improved operational accuracy by 75% through automation and workflow refinement.

Operations NCOIC

Air Force | Langley, AFB VA

Oct 2022 – May 2023

- Supported implementation and operational testing of AI-driven mission improvements.
- Improved responsiveness to customer intelligence requirements through strategic personnel alignment and workflow optimization.

EDUCATION

B.S. in Information Technology

University of Kansas (KU) | Olathe, KS

May 2026

GPA: 3.5. Focused on filling in gaps on software concepts. This included expanding security knowledge as well as defining architectural solutions beyond their implementation.

A.A.S. in Intelligence Studies and Technology

Community College of the Air Force | Langley AFB, VA

Feb 2020

Received Top Graduate Honoree of the Digital Network Analysis Course and Outstanding Performer Accolade under the Distributed Common Ground System Formal Training Unit, recognized by the base commanding officer.

ADDITIONAL MERITS

- Inactive TS//SCI Clearance
- Bilingual in English and Spanish