Fady Faheem

Software engineer with **3+ years** building AI and full-stack tools for warehouse staff, workforce planners, and aviation trainees.

Fort Worth, TX · Open to relocation
+1 (682) 717-6391 · fadyfaheem@hotmail.com
github.com/FadyFaheem · fadyfaheem.com
linkedin.com/in/fady-faheem

EXPERIENCE

FedEx · Dallas–Fort Worth, TX — May 2025 – Present

Ops Emerging Technology Developer · FedEx Office — Aug 2026 – Present

- Lead architect and developer of **Labor Forecast AI** on Vertex AI, forecasting staffing across FedEx Office locations; in pilot UAT with workforce planners, who project **~$10M/yr** in savings.
- Building a **Document AI** pipeline that extracts lease terms, dates, and obligations to cut manual lease review.

Senior Business Analyst III · FedEx Supply Chain — Sep 2025 – Jul 2026

- Owned **MWMS** end to end (React, Flask, Redis, PostgreSQL), a warehouse management system serving **50+ users** across **6+ client contracts**, with **500K+ items** moved in and out.
- Cut new-contract setup from **~6 months** (IT standing up a corporate WMS instance) to **under an hour** by generating a PostgreSQL schema for each contract, keeping its data separate and easy to import and export.
- Trained the **custom YOLO model** behind a laser part-positioning vision system, cutting operator errors **88%**.
- Built ETL pipelines ingesting **100K+ WMS records/day** from 3 distribution centers; cut manual report prep ~60%.

Automation Technician · FedEx Supply Chain — May 2025 – Aug 2025

- Built a Python device-reset tool with Samsung, Motorola, and TCL teams: **5 min → 45 sec** each, 500+ devices/day.
- Built a Kotlin IMEI scanner that verifies device ownership, cutting intake from **2 min to under 10 sec** per device.

Bell Textron · Fort Worth, TX — Sep 2022 – May 2025

Media-IT Support Administrator — Jul 2024 – May 2025

- Sole developer of the Bell 525 **IVHM** tool, still in use, which communicates with the aircraft's vehicle-health-monitoring system; rebuilt it from a Python desktop app into a **Svelte** web app with a SQL Server backend.
- Led a **6-person team** (2 developers, 4 artists) rebuilding **VIPER 2.0**, a Unity (C#) 3D helicopter trainer for Bell Training Academy (12K+ trainees/yr); built a C# tool syncing courseware to 150+ instructor PCs.
- Built **BTA Regulatory** (React, Flask, PostgreSQL), a compliance platform 10 staff use to track licensing and ITAR.
- Designed 3D-printed Bell 525 parts and tooling (Fusion 360), e.g., a **<$20** rotor-hub transmission lock replacing a $4,000 OEM part with a 1-year lead time; **$48K+/yr** in parts savings.

Training Support Administrator · Software Developer Co-Op · IT Software Intern — Sep 2022 – Jul 2024

- Built a Python (Flask) tool-control system that cut tool loss **16%** across $200K+ in assets.

Edkit Studios · Unity Game Developer Intern — Aug 2021 – Sep 2022

- Built 2D/3D Unity games and designed **Math Hunt**, an AR/VR math game that was a SkillsUSA Texas finalist.

PROJECTS

Stream32 · open-source ESP32 stream deck · *JavaScript (Electron), C* — github.com/FadyFaheem/Stream32

- Built an Electron app (Windows, macOS, Linux) and ESP32 firmware that turn off-the-shelf touch displays into stream decks, with USB flashing and action plugins; **100 stars**, 42 releases, **3,700+ downloads**; sponsored by PCBWay.

FuCad · Fusion 360-style fork of FreeCAD · *C++, Qt* — github.com/FadyFaheem/FuCad

- Reworked FreeCAD's interface into a Fusion 360-style workflow: a ribbon, a timeline that rolls features back, and merged extrude/cut tools, keeping its kernel, Python API, and file format intact; **44 stars**, 22 releases.

jda-mcp · open-source MCP server for Blue Yonder (JDA) WMS · *TypeScript* — github.com/FadyFaheem/jda-mcp

- Gives AI agents safe access to warehouse data via 27 tools: MOCA TCP and HTTPS clients, a read-only guard that catches writes hidden in CTEs or comments, and human-approved writes that never auto-retry.

SKILLS

Languages: Python, TypeScript/JavaScript, SQL, C/C++, C#, Kotlin, Java
Frameworks & data: React, Svelte, Flask, FastAPI, Node.js, Electron, Qt; PostgreSQL, Redis, SQL Server, MySQL
Cloud, AI & tools: Google Cloud (Vertex AI, Document AI), AWS, Docker, GitHub Actions, YOLO, OpenCV, MCP, ESP32

EDUCATION & AWARDS

Western Governors University · B.S. Software Engineering (Nov 2025) · M.B.A., IT Management (May 2026)
AWS Certified Cloud Practitioner (2025) · SkillsUSA Cybersecurity, **National 1st Place** (2023) · Bilingual: English, Arabic
Press: Raspberry Pi vending machine featured in The MagPi #130, Tom's Hardware, and PC Gamer (2023)