Fady Faheem

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

PROFESSIONAL SUMMARY

Software engineer with hands-on experience designing, building, and deploying production systems end-to-end. Specialized in Python backend development, data pipelines, and API design, currently delivering ETL services processing **100K+ records/day** across multiple distribution centers. Proven track record of independently owning technical projects from architecture through deployment, including CI/CD infrastructure, containerized services, and cross-system integrations. Strong collaborator who drives alignment across engineering and operations teams to translate ambiguous requirements into reliable, maintainable solutions with measurable business impact.

TECHNICAL SKILLS

Core: Python (primary), SQL, JavaScript/TypeScript, C#
Frameworks & Infrastructure: Flask, FastAPI, React, Node.js, Docker, Azure DevOps
Data: SQL Server, MySQL, MongoDB, SQLite

PROFESSIONAL EXPERIENCE

FedEx Supply Chain   Sep 2025 - Present
Software Engineer - Automation Systems • Coppell, TX

- Built **ETL pipelines processing ~100K records/day** from WMS sources, reducing manual reporting prep by **~60%**.
- Developed **REST APIs** integrating with JDA BlueYonder WMS to automate data entry workflows; centralized validation reduced error rates by **~25%** across 3 distribution centers.
- Implemented **Docker-based CI/CD pipelines** with automated validation, health checks, and rollback; reduced production incidents by **~40%**.

FedEx Supply Chain   May 2025 - Sep 2025
Automation Technician • Coppell, TX

- Delivered **Python CLI/GUI apps (Tkinter/Qt)** with MySQL processing 10K+ device records/day, slashing parsing time **35%** while driving **99.8%** accuracy.
- Implemented device lifecycle automation integrating Samsung/Motorola/TCL APIs, cutting per-device processing from **5 min to 45 sec** across **500+ devices/day**.
- Developed **Kotlin/Python IMEI barcode validation** with network checks, reducing intake processing from **2 min to 10 sec**.

Bell Helicopter (Textron)   Jul 2024 - May 2025
Media-IT Support Administrator • Fort Worth, TX

- Built **Flask APIs** for flight training data ingestion, reducing data processing time by **~30%** and syncing data across 12 simulators.
- Developed **React interfaces** for training tools used by 100+ staff, reducing support tickets by **~35%** by consolidating fragmented workflows into a single dashboard.
- Delivered a **.NET MAUI app** for maintenance documentation, saving **15 hours/week** across teams.

Bell Helicopter (Textron)   *May 2023 - Jul 2024*

Training Support Administrator • Fort Worth, TX

- Developed **React + Node.js + SQL pilot scheduling app**, reducing conflicts **20%** for 45+ aircraft and 80+ pilots.
- Automated budget forecasting reports with **VBA/Python**, reclaiming **15 hours/month** of manual analysis.
- Deployed a **Python (Flask, Pandas) tool-control system** with SQLite, lowering tool loss by **16%** on **$200K+** in assets.

Bell Helicopter (Textron)   *Sep 2022 - May 2023*

Software Engineering Intern • Fort Worth, TX

- Prototyped **Python data ingestion tools using REST APIs**, later adopted and scaled by engineering teams to process **50K+ training records/month**.

EDUCATION

Western Governors University   *Graduated Nov 2025*

Bachelor of Science in Software Engineering • **GPA 3.8/4.0**

Relevant Coursework: Data Structures & Algorithms, Software Architecture, Databases, Web Development

TECHNICAL PROJECTS

Raspberry Pi Vending Machine   *Python, SQLite, Hardware Integration | raspberrypi.com/magpi*

- Built a vending system with **Python GPIO control**, payment integration, and **SQLite inventory** enabling unattended sales.
- Added **REST monitoring** with real-time inventory alerts; featured in **Raspberry Pi MagPi Magazine #130**.

Embedded Sensor Data Acquisition System   *C, Embedded Systems, PCB Design | GitHub*

- Built an embedded sensor measurement system using **custom PCB and C firmware (ATTiny85)**, implementing real-time peak detection and hysteresis filtering to automate rotary engine compression analysis, reducing diagnostic time by **~85%** versus manual methods.
- Designed calibration and signal conversion logic under tight memory and timing constraints, validating repeatable measurements across multiple test runs on resource-constrained hardware.

AWARDS & HONORS

SkillsUSA - Cybersecurity   *National Finalist | 2023*

Awarded for demonstrating network security, threat analysis, and hardening expertise.