

# Fady Faheem

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## PROFESSIONAL SUMMARY

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Software engineer with **3 years** delivering cloud-native products and automation in Python, JavaScript/TypeScript, C#, and SQL. Shipped containerized services, APIs, and data pipelines that deliver **85% manual-work reduction, \$248K+ savings, and 99.9% uptime** for 50+ stakeholders. **AWS Certified Cloud Practitioner** with strong fundamentals in data structures, algorithms, and scalable architecture.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript/TypeScript, C#, SQL, Kotlin, C++, VBA

**Frameworks:** React, Node.js, FastAPI, Flask, .NET Core, Svelte, Angular

**Cloud & DevOps:** Docker, Podman, Kubernetes, AWS, Azure DevOps, CI/CD, Git

**Data & Storage:** SQL Server, MySQL, MongoDB, SQLite

**Practices:** Agile/Scrum, REST APIs, Microservices, TDD, XML/YAML

## PROFESSIONAL EXPERIENCE

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### FedEx Supply Chain

Sep 2025 - Present

Business Analyst III • Coppell, TX

- Deployed containerized full-stack applications on **Docker/Podman + Kubernetes** with SQL Server and MongoDB, supporting 50+ business analytics users at **99.9% uptime**.
- Architected **Python ETL pipelines processing 100K+ records/day** with XML/YAML configs, cutting reporting prep by **85%** and enabling real-time KPI visibility for **50+** stakeholders.
- Developed **Flask/FastAPI REST APIs** integrating with JDA BlueYonder WMS and ReverseLogix, eliminating **47% of manual workflows** and reducing errors by 30% across 3 distribution centers.
- Designed and deployed a **React + Python QR-code warehouse management system** that improved inventory accuracy from **87% to 98%** and reduced cycle count time by **60%**.
- Implemented **Azure DevOps CI/CD pipelines** with Git for SQL deployments, reducing production incidents by **60%** and accelerating releases from monthly to weekly.

### 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.
- Automated device resets with **Python tooling** integrating Samsung/Motorola/TCL APIs, **halving factory reset cycles for 500+ devices/day**.
- Engineered **Kotlin/Python IMEI barcode validation** with network checks, cutting intake from **2 minutes to 10 seconds** and averting **\$2M+** in tracking errors.

### Bell Helicopter (Textron)

Jul 2024 - May 2025

Media-IT Support Administrator • Fort Worth, TX

- Engineered **Flask APIs for Bell 525 Relentless avionics data** (Collins/Garmin), cutting ingestion time **40%** and syncing flight training data across 12 simulators.
- Drove adoption with **React/Svelte/Angular interfaces** used by 100+ staff, lifting tool adoption **65%** and cutting support tickets **45%**.
- 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 forecasting with **VBA/Python**, reclaiming **15 hours/month** and tightening accuracy on a **\$12M** annual budget.
- 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

- Developed a **two-year digital transformation roadmap** for training systems modernization, identifying cloud migration strategies that reduced legacy system dependencies by **35%**.
- Prototyped **Python data ingestion tools using REST APIs**, later adopted and scaled by engineering teams to process **50K+ training records/month**.

## EDUCATION

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### 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

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### FrameCluster (Kickstarter Campaign)

3D Design, Distributed Systems | [Kickstarter](#)

- Launched **FrameCluster**, repurposing Framework laptop boards into **rack-mounted clusters** to lower hardware costs and reduce e-waste for distributed workloads.
- Engineered modular **10" and 19" 3D-printed racks** with end-to-end docs and **Kubernetes orchestration workflows**, enabling backers to stand up clusters without custom fabrication.

### Raspberry Pi Vending Machine

Python, SQLite, Hardware Integration | [raspberrypi.com/magpi](#)

- Built a production-ready vending system with **Python GPIO control, payments, and SQLite inventory**, enabling unattended sales and earning a feature in **Raspberry Pi MagPi Magazine #130**.
- Added **REST monitoring with real-time inventory alerts** and sales analytics to cut stockouts and manual checks.

### Personal Portfolio

React, Node.js, Tailwind CSS | [fadyfaheem.com](#)

- Developed responsive full-stack site with **SEO and CI/CD**, achieving **98 PageSpeed score**.

## AWARDS & HONORS

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### SkillsUSA - Cybersecurity

National Finalist | 2023

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

## CERTIFICATIONS

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### Amazon Web Services (AWS) Certified Cloud Practitioner

Nov 2025 - Nov 2028

Credential ID: 9554d68cedcc463a9ac4801a3b7e7a8a

### ITIL 4 Foundation

Nov 2025 - Nov 2028

Credential ID: GR671829753FF

### CompTIA Tech+

Issued Aug 2025

Credential ID: FWV04L7Y7NRQYRF2