

Laith Alkhalil
Farmington, MN | Alkhalil.Laith@mayo.edu | (507) 601-9646 | [LinkedIn](#)

SUMMARY

Software Engineer with 5+ years of experience designing and building secure, scalable backend systems across healthcare and logistics/Cargo airlines domains. Skilled in developing cloud-native applications, integrating enterprise-grade authentication, and driving modernization of legacy platforms. Experienced in the full software development lifecycle — from architectural design and API development to CI/CD automation and performance monitoring. Strong foundation in Java, Python, and cloud technologies (GCP, Azure), with a growing focus on AI through an M.S. in Computer Science at Georgia Tech. Eager to contribute deep technical expertise and thoughtful engineering practices to solve complex problems in a high-impact software engineering role. I'm ready to deliver my next 10x impact.

EXPERIENCE

Mayo Clinic – IT Analyst Programmer / Full Stack Developer

Jan 2024 – Present

- Integrated enterprise imaging application (Image Move -iMove) with Azure SSO using OAuth2 and Graph API, improving user security and access control.
- Designed and deployed a [DICOM](#)-to-non-DICOM conversion API using Python FastAPI, Pydicom, and OpenCV, streamlining clinical image workflows.
- Containerized the [DICOM API](#) in a Docker container and built a CI/CD pipeline in Azure DevOps for seamless deployment on Linux-based VMs.
- Implemented AppDynamics and Splunk monitoring across applications, reducing response time for performance issues and detecting anomalies.
- Collaborated across teams to resolve critical application errors impacting clinical operations by conducting root-cause analysis by debugging the App code base and logs.

FedEx – Software Engineer II / Full Stack Developer II

Jan 2022 – Jan 2024

- Engineered Java REST client services to interact with Google Cloud Storage (GCS) APIs as part of the Enterprise Document Management (EDM) system's backend migration to GCP, contributing to a \$2M/year cost reduction.
- Secured EDM backend APIs by integrating Okta token-based authentication, improving compliance with internal security policies.
- Optimized system performance and efficiency by optimizing NoSQL (Cassandra) queries using prepared statements.
- Contributed to the launch of Picture Proof of Delivery, writing backend services and integrating Google Cloud Vision API for automatic detection and blurring of sensitive images, enhancing data privacy.
- Served as Scrum Master, leading modernization of legacy systems and mentoring junior developers.
- Monitored systems in production and test environments and took appropriate action when necessary.

FedEx – Customer Technology Consultant

Nov 2019 – Dec 2021

- Delivered technical solutions and led ERP/WMS/API integrations using VBA, SQL, ODBC across hundreds of customer platforms which resulted in a significant revenue generation to the enterprise.
- Provided white-glove support to developers and third parties integrating FedEx Web Services, from initial development through production launch.
- Acted as technical liaison between business stakeholders and dev teams, increasing API adoption and reducing integration times.
- Managed a territory in a geographic customer base, consulting on clients on shipping automation platforms and enterprise integration strategies across U.S. territories.

LEADERSHIP & IMPACT

- \$2M+ Cost Savings: Led infrastructure migration at FedEx resulting in major annual savings.
- System Security: Integrated enterprise SSO and token-auth for secure, scalable access.
- Cross-Functional Collaboration: Partnered with teams across infrastructure, security, and product.
- Monitoring Culture: Spearheaded AppDynamics/Splunk setup for early anomaly detection.

EDUCATION

Georgia Institute of Technology
Master of Science, Computer Science (Interactive Artificial Intelligence)

Atlanta, GA
In Progress

Metropolitan State University
Bachelor of Science, Computer Science (Cybersecurity Minor)

St. Paul, MN
Aug 2023

SKILLS

Languages & Frameworks: Java (Spring Boot/MVC), Python, C++, JavaScript, React/Next.js, Bash scripting

Cloud & DevOps: GCP, Azure, Docker, Jenkins, Azure DevOps, CI/CD, Nginx

Monitoring & Tools: AppDynamics, Splunk, Grafana, Git, ServiceNow

Data: SQL Server, Oracle, Cassandra, PostgreSQL

Libraries & APIs: FastAPI, Pydicom, OpenCV, Microsoft Graph API, Google Vision API