

## Work Experience

7/2020 – Present

Pittsburgh, PA

### Senior Data Engineer

UPMC Enterprises

- Engineered and maintained ETL pipelines for healthcare data integration, ensuring accuracy, stability, and compliance.
- Designed automated patient identity reconciliation processes, reducing manual intervention and improving consistency.
- Built monitoring and alerting systems with AWS CloudWatch, enhancing visibility and reducing downtime.
- Authored technical documentation and refined structured logging practices, improving troubleshooting efficiency.
- Mentored new engineers, accelerating onboarding and fostering a collaborative team culture.
- Facilitated backlog grooming, prioritization, and acceptance processes to align technical execution with business goals.

7/2017 – 7/2020

Pittsburgh, PA

### Integration and Data Services Manager

TeleTracking Technologies

- Managed two teams: six Integration Analysts (HL7 Interface Engine) and five Technical Analysts (application configuration).
- Oversaw escalations from Tier 2 helpdesk, resolving integration and upgrade issues.
- Directed subscription-based client project requests, assigning resources and ensuring service quality.
- Partnered with Client Success Managers to scope and quote interface projects.
- Streamlined operating processes to improve efficiency and service deliveryWork Experience (continued)

1/2008 – 6/2017

Murrysville, PA

### Integration & Deployment Manager

Philips (formerly medSage Technologies)

- Led a team of 12 engineers and specialists responsible for integration, monitoring, and configuration of medSage services.
- Set annual goals and performance metrics, driving accountability and growth.
- Consulted with customers and vendors to assess software compatibility.
- Built and maintained a Perl/SQL toolbox and query repository, automating repetitive tasks.
- Developed automated reporting (daily, weekly, monthly) for consultants and analysts, optimizing SQL queries and multi-threading processes to improve efficiency.
- Automated ingestion and archiving of customer report files, reducing manual workload.
- Rewrote portions of the Integration Client to address discontinued APIs, ensuring continuity.

## Skills

### Programming & Data

Python, Java, JavaScript, SQL

### Cloud & Infrastructure

AWS (CDK, CloudFormation, CloudWatch, EventBridge, Lambda, Glue, S3, SNS, SQS, RDS)

### Healthcare Standards

HL7v2, FHIR, HIPAA compliance

### Data Engineering

ETL pipelines, structured logging, monitoring & alerting

### Collaboration & Tools

Git (GitLab, GitHub), Atlassian Suite (Jira, Confluence), Agile/Scrum

### Leadership

Mentorship, cross-team collaboration, stakeholder communication

## Education

8/1999 – 1/2004

Cleveland, OH

### Bachelor of Science

### in Engineering

Case Western Reserve University

Computer Engineering (major)  
Artificial Intelligence (minor)

## Interests

Raspberry Pi/Home Lab Networking  
Programming Exercises  
SQL and Non-SQL Databases  
Science Fiction, Star Trek  
Olympic Lifting  
Photography  
Crocheting, Sewing