

CONTACT

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Security Clearance Level: Secret

SKILLS

Programming  
Python  
SQL  
JAVA  
HTML/CSS/JS (React, Node)  
C++/C#/C  
  
Technologies  
ETL: AirFlow/NiFi/SSIS/ADF  
Cloud: Azure Cloud, AWS  
Data Warehouse: Snowflake, SQL Server  
Automation: PowerApps, Python, Power-Shell, Unix  
Visualization: Tableau, D3.js

CERTIFICATES

Microsoft  
AZ-900: Azure Fundamentals  
Cloudera  
Cloudera Developer Training for Spark  
Snowflake  
Snowflake Fundamentals 4-Day  
CITI Program  
CITI Training in Human Research  
HackerRank  
Intermediate SQL

ACHIEVEMENTS

- 🏆 (Deloitte) Received Delivery Excellence Award: Risk Finding and Mitigation (2024)
- 🏆 (Deloitte) Received 5 Applause Awards (2022-2024)
- 🏆 (Deloitte) Received Outstanding Client Delivery Award (2024)
- 🏆 (ExxonMobil) Promoted to Design Lead on Data Solutions Team (2021)

🎓 EDUCATION

- 📅 Jan 2022-Dec 2023  
📍 Georgia Institute of Technology **M.Sc. Computer Science**  
-Relevant Coursework: Data & Visual Analytics, AI, Machine Learning for Trading, Graduate Intro to Operating Systems, Knowledge-Based AI, Database Fundamentals, Computer Networks, Software Development Processes, Human Computer Interaction, EdTech
- 📅 Aug 2017-May 2020  
📍 University of Minnesota-Twin Cities **B.Sc. Computer Science**  
-Relevant Coursework: Graduate-Level Software Engineering Course, Big Data Architecture, Artificial Intelligence, Database Fundamentals, Data Science/Machine Learning, Data Structures and Algorithms, Functional Programming, Databases  
-Undergraduate CS TA

⚙️ WORK HISTORY

- 📅 Nov 2021 - Present  
📍 Deloitte | Chicago, USA **Senior Data Engineer: Federal Health**  
**Technologies:** SSIS, Azure + Data Factory, SQL Server, Python, PowerAutomate, Azure DevOps, Tableau, AWS, Snowflake  
**Responsibilities:** - Heads process of data discovery and procurement from data owners, and integration of several data sources into a central analytics data warehouse. Works between several cross-functional teams for requirements gathering, data modelling, and data engineering.  
- Developed 12 new ETL/ELT pipelines orchestrated in SSIS and warehoused on SQL Server, worked with team to build out several Tableau dashboards serving 1K+ users in the org.  
- Focus on reducing technical debt: Worked with horizontal lead to establish modern code-review standards (including performance analysis), data contracts, set up 10+ CI/CD pipelines on Azure DevOps, migrated from File-based version control to Git. On-boarded 4 junior developers with modern DevOps practices.  
- Part of a 'Tiger Team' to quickly build out a data warehousing solution in SQL Server within 6 months, used PowerAutomate to connect to automate data flow between SharePoint, SQL server, and Outlook for analytics.  
- Optimized 5 existing ETL pipelines cutting their time by an average of 95% using SQL optimization (indexing, filtering, query plan analysis) and best practices  
- Automated an asset management system to pull new iPad models using Python web scraping (BeautifulSoup)  
- Lead a ETL migration for over 20 pipelines cross-server  
- Established a Tableau Usage Analytics solution that sources millions of rows from Tableau Server Usage metadata and developed optimized materialized views for a Tableau dashboard to view insights on Tableau Server usage across the org  
- Automated an enterprise data storage analysis that would've taken 3 weeks by developing a Python and SQL script in just 3 hours  
- Firm Initiatives: Set up an Azure SQL Server environment as a pilot to move data to Azure SQL from on-prem; pitched Snowflake as a potential warehousing solution for big data.
- 📅 Sep 2020 - Oct 2021  
📍 ExxonMobil | Houston, USA **Software Engineer and Design Lead**  
-Streamlined company-wide cybersecurity machine monitoring using flow-based programming via Apache NiFi for ETL and reduced time to find cybersecurity holes from months to minutes  
- Worked with Azure Functions, APIM, and KeyVault to develop an API to provide access to a central company data repository on Snowflake, helping reduce cost in data subscriptions ( \$75m in data subscription costs saved)  
- Worked on a Zoom Analytics big data project, taking 500+ zoom events/sec as streaming data and processing it on Azure Functions and Azure Event Hub, warehousing it on Snowflake  
- Interned in summer of 2019 to as a full stack developer to replatform an internal cloud adoption platform in an agile work environment to Microsoft Azure: Utilized blob storage, SQL, KeyVault, SendGrid, and Azure Search Service. Handlebars.js was used for frontend and Node.js was used for the backend.

PERSONAL PROJECTS

- Canvas Pre-Submission Preview Chrome Extension**  
-Developed a Chrome Extension in Javascript that previews assignments *before* submission on Canvas LMS, reducing the chance of submitting the wrong assignment  
-50+ users, wide pool from Georgia Tech students
- Churn: Analytics on Credit Card Rewards**  
-Uses public credit card reward data and business location data to analyze and visualize where credit card rewards can be maximized  
-Data is stored in PostgreSQL and pulled in through Python, orchestrated through Apache AirFlow
- Portfolio Website**  
-Utilized Node and React JS to build an interactive web app portfolio website  
-Deployed on cloud using GitHub pages

