

Timothy W. Graf

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Professional Summary

Accomplished data engineer and software architect, known for building scalable data platforms, optimizing automation workflows, and leading technical teams. Proven ability to drive innovation and deliver solutions across banking, fintech, SaaS, and consulting sectors. Recognized as a mentor and contributor to modernizing data infrastructures, integrating AI, and championing efficient engineering practices.

Skills

- Data Engineering: Azure SQL, Azure Functions, Data Warehousing, ETL, Medallion Architecture, Python, Pandas
- Programming: Python, TypeScript, JavaScript, Scala, Java, C#, .NET Core, React, Vue.js, NestJS, Angular
- Cloud & Automation: Azure, AWS, CI/CD (Jenkins, Azure Pipelines, GitHub Actions), Docker
- AI & Analytics: Jupyter, OpenAI APIs, reporting automation
- Leadership: Team management, mentoring, code reviews, project delivery, Agile/SCRUM

Experience

Data Engineer — Panacea Financial (Hybrid/Westlake, OH)

2024–Present

- Built Azure-based medallion data warehouse and reporting pipelines with Python and AI integration (OpenAI APIs).
- Automated document extraction and analytics for SaaS platforms, enhancing efficiency.
- Supported impromptu analysis and rapid prototyping in Jupyter and Pandas.

Senior Solutions Architect — Summit Technology Consulting Group (Remote)

2023–2024

- Refactored and modularized loan origination products in Django/Vue, highlighting Single Responsibility Principle.
- Provided technical guidance on code quality and component design.

VP, Financial Reporting / Full Stack Developer — Professional Bank (Westlake, OH)

2020–2023

- Led automation and analytics for internal tools using Azure, Python, Pandas, and APIs.
- Migrated reporting to Azure Functions and built data warehouse infrastructure.
- Drove enrichment projects integrating third-party data sources.

Independent Consultant / Contractor

2020

- Built, tested, and integrated microservices and serverless architectures (.NET Core, C#).
- Automated CI/CD, enhanced DevOps workflows.

Software Engineer Lead — Attainia (Scottsdale, AZ)

2019–2020

- Managed three full-stack developers, coordinated releases, led cross-functional projects (React Native, PySpark, AWS).
- Spearheaded upgrades and technical migrations for critical platforms.

Senior Software Engineer — Carvana (Tempe, AZ)

2018–2019

- Enhanced supply chain management systems and documentation, refactored legacy codebases.

Additional Experience:

Full Stack Development (Python/Django/React/.NET), API & ETL Architecture, Mobile App (Cordova/AngularJS), technical leadership and product launches across startups, large enterprises, and consulting (OpenTech Alliance, Nitro, Teachscape, Epicor, Accenture, Sino Swearingen Aircraft).

Education

B.S., Aerospace Engineering
The University of Texas at Austin, 1997

References

Available upon request.