Timothy W. Graf

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Portfolio: https://timgraf.github.io/

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Objective

I hope to continue to grow as a professional, continue to learn new technologies and improve my craft as a professional software developer. I have a passion for technology and strive to be a positive influence for the people that I work with and I hope to be able to share and provide my expertise and knowledge from my experiences as a software developer and professional.

Experience

VP, Financial Reporting and Full Stack Developer
Professional Bank – Westlake OH – 11/2020 to present
- Contribute to an internal tools platform using TypeScript, React, and NestJS
- Build reporting automation using Python Pandas and Numpy
- Transition existing Jupyter Notebook, Python, Pandas, and Numpy reporting automation to Azure Functions
- Build data warehouse in Azure, data ingestion automation, data lake, data pipelines, and data warehouse
- Perform data analytics using Jupyter Notebooks and other tools
- Enrich data from external APIs

Independent Software Consultant
Contractor – Redondo Beach CA – 8/2020 to 11/2020
- Participate and contribute to the design, development, integration, testing, maintenance, and support for building out a new platform and RESTful services in a Microservices and serverless architecture using .Net Core and C# and AWS Lambda.
- Assist dev-ops team with automating CI/CD processes integrating Azure Pipelines and GitHub using GitHub APIs in Node scripts.
- Worked on enhancing service integration with Contentful CMS.

Software Engineer Lead
Attainia – Scottsdale AZ – 4/2019 to 7/2020
- Provided production deployment support and helped coordinate production releases
- Helped team members set professional and personal goals
- Conducted one on one checkups with team members on a regular basis
- Lead a team of three full stack developers, both remote and local
- Created a React Native mobile application during a hack-a-thon with two other developers to demonstrate scanning product bar codes to add items to an Attainia project
- Lead a project with 2 other front end developers to upgrade from Vue and Vuetify versions 1.5 to Vue 2.0
- Worked with another engineer to rewrite Attainia's React front end using VueJS

- Worked with Attainia's catalog team to extract Attainia's legacy catalog data and transform and load that data into the new platform

Senior Software Engineer
Carvana – Tempe AZ – 11/2018 to 4/2019
- Assisted the Caravan Supply Chain Management Team in building a more robust supply chain management process.
- Inherited legacy services in Carvana's supply chain management system to be refactored, updated, and ultimately rewritten as part of the supply chain management system enhancements.
- Assist in documenting desperate Carvana services and processes for managing vehicles in the entire supply chain
- Helped to build an application to stock in vehicles once they are received at an inspection center. This application would add the vehicle to Carvana's inventory and begin the vehicle's process in the Cravana supply chain.

Full Stack Engineer
Attainia – Scottsdale AZ – 7/2017 to 11/2018
- Created microservices using Python, Django REST Framework
- Created RESTful APIs
- Created OpenID Connect Service using .Net Core and the OpenIddict library
- Created reusable components in React and Redux
- Created ETL processes using AWS Glue and Lambda
- Created internal tool for bulk uploading of catalog content

Software Architect
OpenTech Alliance – Phoenix AZ – 7/2016 to 7/2017
- Helped to integrate the company's StorageTreasures.com acquisition, a PHP based storage auctions website
- Created a CI/CD process using Jenkins, and moved the codebase to GitHub
- Created a development process in which developers would submit pull requests to a development branch and the team would conduct informal code reviews via GitHub
- Created a Docker container for local development environment to speed the onboarding of new developers
- Helped to introduce Jira and Confluence to the company
- Helped the development teams and management to adhere to SCRUM
- Led a team to develop an API for self storage access control, using RESTful services in a Microservices architecture using .Net Core and C#
- Created a CI/CD process for deploying our Microservices via Docker containers to AWS infrastructure
- Led the front end development team building a portal, SaaS product, for the self storage access control system, using Angular 2 and later upgrading to Angular 4

Platform Engineer
Nitro – San Francisco CA – 1/2016 to 7/2016
- Backend RESTful services using Scala, Play
- Took ownership of a notification service that interfaced with ExactTarget in Salesforce for sending transactional email notifications to users of the Nitro cloud product

Senior Software Engineer
Teachscape – San Francisco CA – 2/2014 to 1/2016
- Mobile app development using Apache Cordova and AngularJS
- Front end development using AngularJS and Bootstrap
- Backend RESTful services using Scala, Play, Spray, Akka HTTP
- Created common abstractions for persistence, search, and CDNs using Slick, MySQL, Couchbase, Elasticsearch, AWS S3, Limelight
- CI and deployment experience using Jenkins and Ansible

Staff Software Engineer
Epicor Software Corporation – Dublin CA – 1/2005 to 2/2014
- Front end, single page application using JavaScript and jQuery
- Java web based applications using Struts, Servlets, JDBC, XSLT, JSP
- Load testing web applications using The Grinder, an open source load testing tool
- Experience with Endeca search engine
- ETL experience using Talend
- Experience with Oracle and MySQL databases
- Java client application development using Java Swing, XML/RPC, JNI
- Created continuous build system using CruiseControl, ANT, JUnit

Consultant
Accenture – Dallas TX / San Francisco CA – 10/2000 to 1/2005
- Batch application development using ANSI C on UNIX
- Web application development using Java and JSP
- Scripting experience using Perl on Unix
- Networking experience with VPNs and Cisco routers
- Some VisualBasic and ASP experience

Programmer
Loseke Technologies Inc. – The Colony TX – 9/1999 to 10/2000
- Desktop application experience using VisualBasic for the GUI, FORTRAN, C, and C++ for backend libraries, and MS Access for persistence
- Experience using AutoCAD C++ APIs
- Implemented a strength and stiffness model for steel panels based on empirical data

Engineer
Sino Swearingen Aircraft Co. – San Antonio TX – 6/1997 to 9/1999
- Created software to predict cruise and rage performance for a business jet using MATLAB and a FORTRAN based engine model
- Created software to visualize engine inlet pressure data using MATLAB
- Created software for visualizing flight test data using MATLAB
- Performed data analysis for flight test, airspeed calibration, and wind tunnel tests
- Co-authored technical paper published by the AIAA, "SJ30-2 High Performance Business Jet Development: A Prototype Based Approach"

Education   **Bachelors of Science, Aerospace Engineering**
The University of Texas at Austin – Austin TX – 1997

References   References available upon request