

Drew Gohman

Software Engineer

I aim to contribute my skills and knowledge to develop robust and scalable software solutions that drive efficiency and enhance user experiences. Furthermore, I am eager to work alongside experienced professionals, learn from their expertise, and continuously grow as a developer.

Languages

C#, Java, C++, Python, JavaScript/TypeScript, JSON, YAML, XML, CSS

Skills

.Net Core, SQL Server, MySQL, PostgreSQL, DynamoDB, Jet Brains, Visual Studio Code, Git, Docker, AWS, AWS CDK, Liquibase, Dapper, Swagger, K6/JMeter, Angular/React, Postman/Insomnia

Education

Portland State University — Bachelor of Computer Science — March 2022

EXPERIENCE

SMartX Advisory

Junior Software Engineer

June 2022 - June 2023

Turnkey asset management platform that handles stock and portfolios for financial advisors. Responsible for maintaining and updating stock market data, symbols, and prices as part of the Market Data Squad.

- **Software Development:** Collaborated with senior engineers to design, develop, and maintain high-quality software.
- **Code Review and Testing:** Assisted in reviewing code for functionality, clarity, and adherence to coding standards; actively participated in debugging and troubleshooting to ensure robust and reliable software delivery.
- **Bug Fixing and Maintenance:** Investigated and resolved software defects to ensure system stability and performance.
- **Collaboration and Communication:** Worked closely with members of other squads to ensure alignment throughout the software development lifecycle.
- **Software Deployments:** Assisted with Software Deployments using AWS CDK, Terraform, GitHub Actions, and Liquibase.
- **Created and Maintained Technical Documentation**
- **Notable Software Development Projects:**
 - Database Sync Tool Runner
 - Our squad worked with a few databases that needed to stay in sync (Microsoft SQL, MySQL, and DynamoDB). We wanted to run the sync and comparison tools using Aws Serverless Lambdas. The sync process could take much longer to run than the max fifteen minutes Lambdas allowed. I used Aws SQS and SQL Server to break up the tasks and run them synchronously.
 - .Net Core, Lambda, SQS, CloudWatch Alarms, SNS, Sql Server, Liquibase, Docker, TypeScript, and Aws CDK.
 - Secret Password Manager
 - A combination of AWS Secrets Manager and Secrets Manager Cache to quickly look up and create database connection strings based on user AWS credentials.
 - .Net Core, Aws Secret Manager, Nuget, and Json,
 - Load Balancing API

- Created load balancing tests for APIs and posted results to Amazon CloudWatch.
- K6, TypeScript, Docker, and CloudWatch.

Gohman Mechanical

IT Specialist

January 2012 - January 2022

Starting my career as a Construction Assistant, I noticed multiple reports used Excel and contained duplicate data. I started looking for better methods and learned about Microsoft Access. I moved from Access to .Net and SQL Server and fell in love with software development. I started building automation projects to assist the company and handled the IT department while pursuing a degree in computer science.

- **IT Maintenance and Troubleshooting:** Maintained services such as Active Directory, Exchange Server, SQL Server, Quickbooks, DNS, Routers, VOIP, Antivirus, and Client Computers.
- **Software Developer:** Created and maintained small applications to assist the office.
- **Notable Software Development Projects:**
 - Gohman Mechanical Website
 - Simple web application to display company information and projects we worked on. The website was recently replaced with a Wix site for more accessible updates for current employees.
 - Angular, TypeScript, SCSS, HTML, Nginx, and Ubuntu Server
 - Construction Quote Tracker
 - Kept track of information acquired during the bidding phase of projects.
 - .Net Framework, WinForms, SQL Server, and Access
 - Price Markup Calculator for Service Technicians
 - Small Android application that service technicians use to give vendor pricing and markup to customers in the field.
 - Android and Java
 - Service Quote Estimator
 - Create quotes for service repairs quickly
 - Excel and VBA
 - Transit and Tax Lookup
 - Web scraper tool to look up tax and transit based on job site address to assist with payroll analysis and reporting.
 - .Net Framework

Gohman Mechanical

Construction Assistant

January 2008 - January 2022

I started as an expeditor delivering equipment and material to job sites. After taking some college classes on AutoCAD, I worked my way into the office to assist with drawings, accounts payable, and accounts receivable for construction projects. I worked my way into designing, quoting, permitting, and helping general contractors and architects with projects with occupancies such as offices, warehouses, server rooms, clean rooms, manufacturing, classrooms, and more.

- **Draftsman:** Designed commercial HVAC construction projects using state code and load-balancing programs. I worked with installers and general contractors to resolve conflicts and challenges during construction. I also developed a library of equipment and schedules in Revit and AutoCAD for reference and future use.
- **Permit Specialist:** Research and understand local, state, and federal regulations and requirements of permits and licenses for construction projects. Worked with city plans examiners to provide permits for commercial mechanical construction. Assisted general contractors and architects with mechanical code questions to ensure projects passed on-site inspections.
- **Coordinator:** Assisted with ordering and delivering equipment and construction material and provided closeout and project documentation to the general contractor.