Thomas Lewis

Experienced designing and developing applications and database programmer with a passion for refined User Experience (UX) development.

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EXPERIENCE

Tensile AI, LLC, Apex NC — *BI Developer*
September 2023 to June 2024

- Healthcare Data Analytics and Reporting
- Created comprehensive, automated data pipelines
- Automating data catalog and data discovery
- Administration of Alation.
- Concierge customer care.
- Alation data Steward
- Generated and embedded AWS QuickSight Dashboards

IDE: QuickSight (AWS), Databricks, VS Code

Circle Graphics Inc., Raleigh NC— *Software Developer*
January 2020 to March 2022

- Developed new features and improvements to various C# back-end solutions.
- Developed AWS Lambda Solutions
- Manual QA Tested front end web site.
- Service Oriented Architecture (SOA)

IDE: Visual Studio: C#, Amazon AWS, SQL Server

Vishay Precision Group, Wendell NC — *Software Engineer/*Consultant
June 2017 to March 2019

- Developed a solution that gathered data from legacy data sources. The original data consisted of flat files type data from Excel, MySQL, and PHP. This data was cleaned and normalized to create a Unity Catalog in MongoDB complete with traceability, multidimensional arrays and entity recognition (lookup tables).

Aprimo, Raleigh, NC — *QA Automation/Testing Engineer/Application Developer*
December 2014 to September 2016

- Developed, automated, and executed tests of web-based applications.
- Developed features in core product based on existing customizations.

SKILLS

Business Intelligence Developer

Data Analyst

Full Stack Web Development

Agile/Scrum Teams

Testing/Automation: scripted testing, bitwise data validation, reporting

Graphic Design

Design and testing program configuration / installation

Database Administration

Attention to detail

Ability to work independently and a self-starter

Ability to manage multiple projects simultaneously

LANGUAGES

C#, Python, PHP, JavaScript, Pascal (Delphi), SQL, HTML/CSS, C, XML, JSON

- Integrated tests into Continuous Integration and Deployment (CI/CD) pipeline (Git Flow).
- Logged/tracked and resolved issues, documented bug fixes and tests.
- Worked with colleagues (onsite and remote) to solve technical issues.
- Tracked all work in Jira using Agile methodologies.

IDE: Visual Studio/C#

Vishay Precision Group, Raleigh, NC — *Senior Software Engineer/Analyst*

October 1997 to December 2014

- Acted as sole software engineer for StrainSmart for over 10 years. The StrainSmart application acquires data in graphical or numeric format. This program is the flagship product of VPG's Data Acquisition lineup. It helped provide millions of dollars in sales of our DAQ Systems.
- Created software for data acquisition systems, including low level interfaces for PCI hardware.
- Created all utility applications for our instruments (e.g., firmware updates and calibration).
- Wrote and maintained application help system and product literature.
- Continuously modified applications for new instrumentation.
- Developed an automated unit testing system using my own scripting vocabulary.

IDE: Delphi

EDUCATION

Miami Springs High School, Miami Springs, FL — *High School Diploma*

University of North Carolina at Chapel Hill Full Stack Web Development Bootcamp 2019-04 −2019-10

An intense and fully immersive coding bootcamp for full stack web development. Areas covered include HTML/CSS, JavaScript/jQuery, Node, Express, React, MySQL, Firebase, MongoDB, Cheerio, Sequelize

edX Professional Certificate Programs:

2017-07 - JS.0x: JavaScript Introduction

2017-12 - Microsoft -DEV274x: Introduction to Python: Fundamentals