Thomas P. Lewis

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Application Developer | Systems Engineer | Programmer Analyst | 24 years

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

Experience

Consultant | VPG Sensors Wendell NC 6/2017 to present
Leading supplier of strain gages and accessories for experimental stress analysis and precision transducers.

- Developed a solution that gathered data from legacy data sources. The original data consisted of data from Excel, MySQL, and PHP arrays. This was cleaned and homogenized to create a single database collection in MongoDB complete with nested arrays, lookup tables and an integrated parent child relationship.

  The resulting process has been refined to allow for automation of the process with detailed logging, comprehensive settings to target specific sections of the process as well as the ability to report changes to the master database for review before those changes are applied.

IDE: Visual Studio using PHP/.net, Studio 3T

QA Automation/Testing Engineer/Application Developer | Aprimo (formerly part of Teradata Corporation) | 2 years
Aprimo software is used to manage several aspects of marketing including campaign management, e-mail marketing, event management, spend management, and workflow and project management.

- Developed, automated, and executed tests of web-based application.
- Developed features in core product based on existing customizations.
- Worked with colleagues (onsite and remote) to solve technical issues.
- Tracked all work in Jira using Agile methodologies.
- IDE: C#/.Net

Senior Software Engineer/Analyst | Vishay Precision Group | 17 years
Leading supplier of strain gages and accessories for experimental stress analysis and precision transducers.

- Acted as sole software engineer for StrainSmart. (10 years)
  - The StrainSmart application acquires data in graphical or numeric format. This program was, and still is, a flagship product of VPG's Data Acquisition lineup.
- Created software for data acquisition systems, including low level interfaces for ISA, PCI, and PCMCIA hardware.
- Created various utility applications for our instruments including Firmware

Experience (continued)

- Updates, and Calibration Routines.
- Developed and updated application's help system and product literature.
- Continuously modified applications for new instrumentation.
- Developed automated unit testing system using my own scripting language.
    IDE: Delphi

Software Engineer | MSI of Miami Corporation | 4 years
Music and book importer and distributor.

- Independently developed multi-user relational database applications for:
  o Inventory Control, Order Placement Automation, Receivables Distribution
- Designed product catalogs including graphics, layout and the programming to generate the output.

IDE: Delphi/Paradox for Windows

Languages

- C# (.net Web Development), Pascal (Delphi), Python, PHP, SQL, HTML, C (InstallShield scripting), XML, PowerShell, CSS

Tools

- Jira, Git, TFS, Git Flow, Aprimo, Studio 3T
- Delphi, InstallShield, Gimp, Paint Shop Pro
- Tools specific to the Delphi IDE: DevExpress, IPWorks, TeeChart, InfoPower, XceedZip, Multilizer, Quick Reports, Indy
- Microsoft Office Suite, Visio
- Testing Automation: scripted testing, bitwise validation, reporting

Skills and Abilities

- Web Development
- Graphic Design
- Design and testing program installation
- Database Administration
- Effective prioritization and organization skills
- Attention to detail
- Ability to work independently and a self-starter
- Ability to manage multiple projects simultaneously

Education

High School Diploma, Miami Springs High School, Miami Springs, FL
Measurements Group, Inc.
    1999 Comprehensive Program covering Strain Measuring Systems
Construx Training
    2009 Code Complete Essentials
    2012-01 Design Patterns in Depth
Aprimo Software Certification Boot Camps
    2014-12 - Aprimo Marketing Operations
    2015-07 - Aprimo Campaign
edX Professional Certificate Programs:
    2017-07 - JS.0x: JavaScript Introduction
    2017-12 - Microsoft -DEV274x: Introduction to Python: Fundamentals