

# Thomas P. Lewis

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## Application Developer | Systems Engineer | Programmer Analyst

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

**Experience** **Consultant | VPG Sensors Wendell NC | 1.5 years**

*Leading supplier of strain gages and accessories for experimental stress analysis and precision transducers.*

- Developed a solution that aggregates data from legacy data sources. The original data consisted of flat files type data from excel, MySQL, and PHP arrays. This data was cleaned and homogenized to create a single database collection in MongoDB complete with nested arrays and lookup tables.

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 e-mail marketing, 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: Visual Studio/C#

**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 is the 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 utility applications for our instruments (e.g., firmware updates and calibration).

IDE: Delphi

<b>Languages</b>	JavaScript, C#, Python, PHP, SQL, HTML/CSS, XML, JSON
<b>Databases</b>	MongoDB, Firebase, MySQL, Microsoft SQL
<b>Tools</b>	React, Express, MERN stack, NodeJS, jQuery, Cheerio, Sequelize, Jira, Git, GitHub, Aprimo, Heroku, Studio 3T (Mongo) Microsoft Office Suite, Visio, InstallShield, Gimp, Paint Shop Pro
<b>Skills and Abilities</b>	<ul style="list-style-type: none"><li>▪ Full Stack Web Development</li><li>▪ Agile/Scrum Teams</li><li>▪ Testing Automation: scripted testing, bitwise validation, reporting</li><li>▪ Graphic Design</li><li>▪ Database Administration</li><li>▪ Attention to detail</li><li>▪ Ability to work independently and a self-starter</li><li>▪ Ability to manage multiple projects simultaneously</li></ul>
<b>Education</b>	<p>2019-04 –2019-10 - <b>University of North Carolina at Chapel Hill Full Stack Web Development Bootcamp</b> 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</p> <p>edX Professional Certificate Programs: 2017-07 - JS.0x: JavaScript Introduction 2017-12 - Microsoft -DEV274x: Introduction to Python: Fundamentals</p> <p>Aprimo Software Certification Boot Camps 2015-07 - Aprimo Campaign 2014-12 - Aprimo Marketing Operations</p> <p>Construx Training 2009 Code Complete Essentials 2012-01 Design Patterns in Depth</p> <p>Measurements Group, Inc. Educational Services 1999 Comprehensive Program covering Strain Measuring Systems</p>