Owen Shelton

Lead Software Engineer | https://oshelton.github.io/

WORK HISTORY

Simpson Strong Tie – (Full time remote; December 2022 – Present)
- Lead Software Engineer (May 2024 – Present)
- Senior Software Engineer (December 2022 – May 2024)
- Lead planning and implementation of new features and larger projects, delegating as necessary, partnering with feature leads on the team, and serve as a technical touch point for my team to outside stakeholders.
- Mentor other engineers on the team.
- Advocate for, plan, and implement process changes and improvements.
- Led the successful completion of many 6+ month long projects that dramatically improved the inner workings of my team and our WPF based on-prem distributed application.

Logos/Faithlife – (Full time remote; May 2018 0 December 2022)
- Software Engineer II – Sermon Tools (2020 – December 2022)
- Software Engineer II – Logos Desktop (May 2018 – 2020)
- Regularly worked on WPF, Objective-C, and react based desktop and web applications backed by SQLite, MySQL, and .NET Core APIs.
- Served as a "feature lead" and led the completion of many features and complex bug fixes.
- Led the creation of a Sermon Revision tracking system to let users view what changes they have made to a sermon over time based on data we already had but weren't using.
- Addressed a number of extremely complex and deep in the code issues around IME support for CJK languages.
- Interacted with and improved the Azure based infrastructure backing our shared services.
- Implemented many process improvements to the Amplitude based telemetry we used across our platforms.

Drake Software – (Full time; August 2013 – May 2018)
- Lead Programmer of the Drake Software data conversions team.
- Maintained, improved, and added features to Drake Software's suite of C++ data conversion applications and the associated internal WPF tools.
- Successfully reverse engineered many undocumented text and binary data file formats from competitors.
- Successfully completed projects for other teams at Drake Software:
  - An Angular application for signing tax documents remotely without needing to display PDF files directly.
  - Many features, tools, and coding patterns for the Drake Accounting Winforms Application.
  - Created an Amazon S3 based backup tool and service for manually and automatically backing up customer data.

Lewis Taylor Farms – (Part time; May 2011 – August 2015)
- Software Engineer and System Maintainer
- Sole software developer at the company.
- Maintained and Improved their C#/WPF and MySQL backed business management and inventory application.
- Created a separate test and development environment to evaluate and test changes on.
- Created an automatic backup service to backup their production DB and copy the backups to a "vault" device.
- Dramatically improved application performance and stability by adding Indexes and foreign keys to their DB.
- Coordinated closely with LTF employees to determine their needs and how to prioritize my time.

University of Georgia – (Part Time; August 2011 – May 2013)
- Instructor
- Created lesson plans for and taught the Introduction to Computing and Programming and Systems Programming courses at UGA.
- Taught using Java, C++, Linux, and many Powerpoint presentations.

OTHER EXPERIENCE

- Maintain a home lab running Linux, Docker, Docker Compose, and some internally facing services.
  - Maintained using Xpipe and Obsidian with plugins for documenting and summarizing server setup and config.
  - Evaluate all changes on a development VM beffore implementing them on the production server.
- Currently rebuilding my profile site using Svelte and SvelteKit.
- Experience with image processing and computer vision fundamentals.
- Real-time 2D/3D graphics and simulation experience.

PROGRAMMING AND TOOLING EXPERIENCE

- **Proficient In:** C#, Typescript, Javascript, Objective-C, and C++ (11).
- **Exposure To:** Ruby, Java, and Python
- **Desktop GUI Experience:** WPF, Avalonia, Winforms, and wxWidgets.
- **DB Experience:** MySQL, MS SQL, and SQLite
- **Web Experience:** React, Angular, Svelt, Vite, and Node.
- Experience with Visual Studio 2008 to 2022, VS Code, and Xcode.
- Experience with Git, SVN, and Perforce.

EDUCATION

University of Georgia   Athens, GA
Masters Computer Science   All But Thesis

Valdosta State University   Valdosta, GA
Bachelor of Science, Computer Science, GPA 3.8, Honors Graduate   May 2010

AWARDS

- UGA Department of Computer Science Outstanding Teaching Assistant, Spring 2012
- VSU Department of Computer Science Outstanding Senior, Spring 2010
- Boy Scout Eagle Scout