

# T. Layne Ringstaff

Full stack developer, designer, composer

TLAYNE.COM

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## Work Experience

### **Web Developer, SocialLion** | 2017-PRESENT | Chattanooga, TN

- Designed and built custom themed WordPress sites for Charisma House Publishing (charisma2018.com), SocialLion (sociallion.co), and Second Story Properties (secondstory.properties)

### **Web Developer, Pathway Press** | 2015-PRESENT | Cleveland, TN

- Complete redesign and overhaul of 15-year-old ecommerce site (VB.net) (pathwaybookstore.com)
- Designed and built a custom theme WordPress site for the Evangel Magazine (evangelmagazine.com)
- Designed and built new site for the Red-Back Hymnal featuring a unique musical tool (redbackhymnal.com)

### **Associate Software Engineer, Schweitzer Engineering Labs** | 2012-2015 | Chattanooga, TN

- Developed applications for industry to provide SCADA visualization and control for electrical power networks
- Gained proficiency in designing complex, scalable applications in modern web languages
- Made multiple improvements to existing C#/Silverlight diagramming software, including improving serialization speeds, fixing UX problems by implementing asynchronous operations, and UI/UX design
- Involved in all phases of development of new web based HMI software including architecture design, development, unit testing, and release
- Lead in the development of data visualization including trends, gauges, and other components

### **Research & Development, University of Tennessee at Chattanooga** | 2012-2013 | Chattanooga, TN

- Performed research to classify smartphone sensor data for the purpose of human activity and posture detection
- Developed Java applications for Android and PC to collect, integrate, and transform data into useful information

## Side Projects

**Sleepy Stars** (Currently available on the Google Play store) – A musical experience for kids with stars that twinkle in rhythm to soft lullaby music, with original musical composition and arrangement – more at [tlayne.com/sleepystars](http://tlayne.com/sleepystars)

**Mini Mix** (In development, iOS & Android) – Currently developing a game which allows the player to control musical orchestration by adjusting volume and timbre of four different musical parts while the song plays

## Education

*B.S. Music Theory & Literature/Computer Science Minor, Southern Adventist University, Graduated with Honors in 2006*  
*M.S. Computer Science, University of Tennessee at Chattanooga, in progress*

## Skills

Java, C#, ES6, SASS, PHP, SQL, React, Android, WordPress, Bootstrap, Node, Git, Google Dart, Data visualization

## References

**Clark Campbell, SocialLion**  
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**David Gray, Pathway Press**  
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