

Timothy Ellis

Software Engineer

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Summary

Full-stack software developer and professional circus & fire artist who brings creativity and innovation to any task. I find satisfaction in intuitive, versatile design with clean code and elegant functionality. An enthusiastic team player who is also able to step into leadership roles, I'm highly organized, dedicated, detail-oriented, have excellent written and verbal communication skills, and thrive on collaboration and feedback. I am an empathetic learner and teacher who is excited to blend new or non-traditional ideas with established best practices and data analytics to create impactful, ethical solutions that help make the world a better place.

Technical Skills

Javascript (ES6) | Node.js | React.js | Vue.js | Express | PostgreSQL | MongoDB (noSQL) | Mongoose | Python Django | PHP | SQL | HTML/HTML5 | CSS | VS Code | XAMPP Virtual Server (Apache + MySQL) | GitHub Heroku | Google Suite (Gmail, Docs, Sheets, Slides) | WordPress | Microsoft Office Suite (Word, Excel, PowerPoint) Adobe (Photoshop, Illustrator) | Windows10

Software Development Projects

[Green Thumb](#) | *Full-Stack Developer*

May 2022

- Full-stack web application with mobile responsive design that allows users to organize their houseplants by location in their home, create a schedule for watering and other needs, and contribute to a database of all plants and plant care details.
- Developed a full-stack web application using a Python/Django backend for RESTful API and a React frontend with Bootstrap, with full CRUD and JSON Web Token (JWT) authorization.
- **Technologies:** React.js, Python, Django, PostgreSQL, Bootstrap, CSS3, Javascript, HTML

[Foodle](#) | *Project Manager, Back-End Developer*

Apr. 2022

- Full-stack web application that simulates an Instagram-style photo sharing social media app, including a robust suite of features and components including 'comments,' 'likes' and 'followers.'
- Collaborated with a team of 3 software developers in a 1-week sprint using Agile and Scrum methodologies for code development, feedback and version control documentation for a full-stack PERN application with full CRUD capabilities and JWT authorization.
- **Technologies:** React.js, Express.js, Node.js, PostgreSQL, CSS, Javascript, HTML

[Personal Birding Tracker](#) | *Full-Stack Developer*

Apr. 2022

- Full-stack web application that acts as a birding log that cross-references bird sightings with local parks, including features like unique notes for each entry, search capabilities, and a species-lookup feature.
- Designed and created a full-stack MERN (noSQL) application with full CRUD capabilities in a relational database structure, incorporating third party API data.
- **Technologies:** Javascript, React.js, Express.js, Node.js, MongoDB, HTML, CSS, eBird.org API

[SET Card game](#) | *Front-End Developer*

March 2022

- A fully-functional solitaire-style application based on the card game SET, in which the player must find Sets of cards with a series of patterns and shapes based on a simple set of game rules.
- Utilized solely Javascript (ES6), CSS3 and HTML to program and render a fully playable application, along with a number of new and creative features including score keeping, difficulty level settings, and hints.
- **Technologies:** Javascript, CSS, HTML, GSAP plugin

Professional Experience

Circus Artist (Self-Employed, Sole Proprietor) | Boston, MA **Jan. 2012 - present**

- Perform nationally/internationally as an individual artist and with groups like the Boston Circus Guild, Cirque Delight, American Repertory Theater, Wunderle's Big Top Adventures, and more.
- Regularly manage large-scale projects, negotiate contracts, track time management, collaborate with peers and event managers, and coordinate with multiple production departments for complex events.
- Created customized accounting systems using query-based formulas in Google Sheets to track quarterly profits & losses and other accounting details.
- Built and maintain a WordPress performer portfolio site using customized templates.

Freelance Web Developer, Esh Circus Arts | Boston, MA **March - July 2014**

- Redesigned and managed client-facing website for recreational circus studio, including WebHosting, PHP design, and implementation of 3rd-party API for front-desk services.

Freelance Web Developer, Ponderosa HS Lacrosse | Parker, CO **Jan. - Sept. 2012**

- Built full-stack web portal including front-end website and custom admin page with full CRUD and authorization, using HTML, PHP and MySQL, tested and run on an Apache server.

Education

General Assembly | Remote

Software Engineering Immersive

Feb. 2022 - May 2022

Full-stack software engineering immersive student in an intensive, 12-week, 450+ hour program focused on software and mobile first web application development fundamentals, object-oriented programming and web technologies, MVC architecture frameworks, asynchronous data modeling and RESTful APIs, team collaboration and project management in an Agile environment for project workflow, development, troubleshooting and debugging. Developed a portfolio of web applications as both individual and group project work that were deployed on a variety of cloud services.

Vassar College | Poughkeepsie, NY

Undergraduate Degree - Bachelor of Arts (BA)

Graduated May 2007

Major: Drama, with a focus in Lighting & Scenic Design. Minor: Music Composition.
Graduated with Departmental Honors.