Brendt Bly

(760) 472-7316 • brendt.bly@gmail.com • linkedIn.com/in/brendtbly • github.com/b-bly •portfolio: b-bly.github.io

Portfolio:
http://brendtbly.com

Technical Skills:
- JavaScript
- TypeScript
- Node.js
- Angular
- React.js
- React Native
- Redux
- Axios
- Express
- SQL/PostgreSQL
- MongoDB
- Angular Material
- jQuery
- Passport
- Knockout.js
- .NET
- C#
- HTML 5/CSS 3
- Bootstrap
- Heroku
- Git
- Selenium
- Python
- Adobe Photoshop

Education

Prime Digital Academy
October 2017
Full-Stack Software
Engineering Certification

Japanese Language Proficiency Test
November 2006
Class 2 Certified.

University of St. Thomas
May 2006
Masters of Arts in Education

St. Olaf College
May 2003
Bachelor of Arts in Chemistry, Minor: Molecular Biology

Experience

Atlas Solutions   September 2019-February 2020
Software Developer
- Developed features for client sites with Angular, Node, MySQL, .Net, Blazor and MongoDB.
- Actively communicated progress in regular standup meetings.

Intelligent Quality Solutions (contractor)   February 2019-September 2019
Company: Lifetouch
Automation Engineer
- Used behavior driven development practices to develop business rules.
- Developed test cases based on business rules.
- Developed and executed manual and automated tests with Typescript, Gulp, Selenium and Protractor.

Osmosis   June 2018-November 2018
Frontend Development intern
- Discussed web design ideas with coworkers.
- Created features for the osmosis.org site, using Knockout.js, Fusion, Mysql and Bootstrap.
- I worked remotely, communicating with coworkers daily to keep each other updated on our progress.

Prime Digital Academy   June 2017-October 2017
Full Stack Software Development Student
Individual Project: Pirate Storytime, a web application that allows you to store and search for story ideas to tell young children.
- I enjoy making up and telling pirate stories on the spot for my nephew and niece. However, when I'm tired it can be hard to do without prompt. Wouldn't it be nice to have a site that would give me a few pirate story ideas on which to base my story? Pirate Storytime allows you to store your story ideas and share them with others.
- With Pirate Storytime, users can add their story ideas in five categories of story elements. They can choose to make these public or keep them private. They can also search through the public cards and add them to their favorites. When you're ready to tell your story, one card of each type is randomly selected from your favorites.
- Technology used: MongoDB, Express, AngularJS, Node.js, Javascript, Angular Material and Filestack.
- Link on brendtbly.com

Group Project: Belwin Outdoor Science
- Belwin Outdoor Science is a nature conservancy where elementary school students conduct wildlife research. The teachers at Belwin used to distribute data sheets for students to fill out during their research. This makes it difficult to process the class data for the day. They do not save student research because it would be too much work to enter the data from the 10,000 students that visit each year.
- My development team and I built a mobile web app that allows students to enter their data on a mobile device and save it. After collecting research, teachers can easily generate reports that allow them to examine data as a class. Research is automatically saved in the database, so valuable student research is not lost.
- Technology used: PostgreSQL, Express, AngularJS, Node.js, Javascript, Angular Material, Passport.
- Link on brendtbly.com

Recent Projects
Project: Covid Data Mobile App   May 2018
- I wanted to graph some of the free data from the New York Times and make it available to promote awareness of the pandemic.
- Technologies used: React Native
- On github: https://github.com/b-bly/CovidData

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Project: No More Pain   May 2018
- Finding effective treatment for an injury can be very difficult. This app lets users share what worked for them.
- Objectives: I built this app to learn state management with Redux.
- Technologies used: MongoDB, Express, Node.js, React.js, Redux.
- Link: nomorepain.herokuapp.com

Project: Passport Authentication Tutorial   February 2018
- I couldn't find a great tutorial that gets into the details of express sessions and Passport authentication, so I made one.
- Objectives: To help myself and other developers understand each part of the MERN stack involved in authentication.
- Link: github.com/b-bly/simple-mern-passport

Other Experience

Childcare   September 2015-August 2017
Provided care for my sister's family

Chemistry Teacher
Minnetonka High School   September 2014-August 2015
Dubai International Academy, Dubai, UAE   January 2014-June 2014
Tamagawa Academy, Tokyo, Japan   September 2011-August 2013
American International School   April 2009-August 2011
- Collaborated with coworkers to create inquiry-based curriculum, where students come up with their own research questions and investigate them.
- Managed classes of thirty students with diverse backgrounds, establishing an atmosphere of appreciating one another's culture.
- Created interactive activities with apps such as Schoology, Explain Everything, Socrative, Notability and Kahoot.
- Incorporated data logging devices in laboratory assessments and taught students to analyze data with spreadsheets.
- Supervised independent student research and placed third in the MEF International Research Competition in the chemistry category.
- Designed classrooms and chemical storage for classrooms at the school's new location.

Gakubun Jr. High School   August 2008-March 2009
Kobe, Japan
Assistant English Teacher
- *Collaborated with Japanese English teachers to create communication and fluency-focussed lessons.*