

## Employment

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### Web Developer - Land Traffic Control *Feb 2019 - Present*

- Lead frontend developer on flagship web application. Responsible for building new workflows, application maintenance, and mentoring new devs within the application
- Created and maintained a dashboard application for customers of LTC clients that allow them to create and broker loads, view shipment statuses and vehicle locations anywhere in the US
- Built an EFS Fuel Data integration service that fetches and parses EFS files via FTP and makes their contents available for report development
- Built an EDI translation service that allows LTC partners to process orders via EDI. The service is able to parse EDI files into JSON documents and translate those into system specific orders and order updates
- Created a web service to integrate ComData bank cards with Land Traffic Control application. Allows customers to manage cards for all drivers in the field by sending money, changing card limits and general card maintenance
- Python image manipulation service that turns document images into "scans" by performing edge detection, cropping, and transforming. Allows drivers to submit easier to read documents from the field
- Manage deployments of web services and containers with Docker, Nginx, and Azure Dev Ops

### Founder, Senior Engineer - Insyte Labs *Nov 2018 - Present*

- CrowdCore audience response system
  - Vue based, scalable ARS with backend API and WebSocket support
  - Allows audience participation via questions, voting, and event chat
  - Moderators can flag/hide questions, respond with answers, block users
  - Allow authenticated, anonymous, or password protected sessions for events
- Dashboard application for ProValue.Net
  - Backend API that fetches data from the company's CMS (Platypus)
  - Active Directory integration with group policy support
  - Frontend application that displays ticketing information, customer growth over time, daily progress, and more
  - Dynamic reporting with ChartJS
- Stripe/Checkfront integration for Lake McMurtry
  - Backend API that matches Stripe payment information with bookings from Checkfront
  - Frontend application built in Vue
  - View bookings by month or specific date ranges
  - View reports detailing Stripe payment information
  - Reconcile Stripe payments with Checkfront bookings
  - Quickbooks import tool

### Web Developer - OSU Foundation *Sept 2016 - Nov 2018*

- [OSUGiving.com](https://osugiving.com) - Lead team of designers, developers, and testers over an 18 month period to rebuild The Foundation's website. Made improvements to page load times, mobile accessibility, site maintainability, content organization, and UI/UX. Built extensions to customize the behavior of the CMS being used (Statamic)
- Developed a secure internal Web API to improve processes, automate tasks, provide reporting data for Tableau, and centralize data access across applications
- Lead a "Leadership Growth Initiative" team with 10 cross-departmental members to institutionalize a SharePoint intranet site. Built SharePoint JavaScript apps, lead training initiatives, made improvements to document management and processes
- Lead organization in conversion to GitHub. Developed organizational structure for managing web and SQL code using Git and GitHub. Provided numerous trainings to developers, designers, and managers across departments
- Built a gift processing application for batch processing credit card payments from multiple 3rd party vendors. Resulted in a huge productivity increase for gift processing department
- Implemented a starter kit for all new full-stack JavaScript projects. Included opinions on front and back end technologies, strategies for application architecture, default routes, active directory authentication/authorization, and more
- Created a staff management application with integrations for Active Directory, SharePoint, OSUGiving.com, Web API, and custom-built applications. Centralized the process of managing staff information such as titles, birthdays, start dates, bios, areas of expertise and more
- Built and managed a static web server (Nginx on Ubuntu Server) for hosting and serving static files throughout numerous web applications. Server was responsible for efficiently serving images, videos, application agnostic CSS and JS files and frameworks, and JSON data files

- Developed, packaged, and internally published a browser Web Extension to run on top of the Evertrue platform that integrated Evertrue data back into OSUF systems

**Awards:** 2017 Rookie of the Year, 14 Brightest Orange Awards (staff nominated cultural award)

## Web Developer / Web Administrator - ProValue.Net *May 2015 - Sept 2016*

- Wireless Internet Service Provider
- Internal web application development:
  - Networked device cataloging
  - Remote device configuration backup/restorations
  - Changelogger for configuration tracking
  - Radio frequency analyzer for wireless network planning
  - Internal reporting software
  - Scheduled configuration changes across a large, heterogenous network
  - Database mapping/exporting for management platform migrations
  - User data migration
- Manage and secure web hosting environment (cPanel and WHM)
- Identify and secure compromised websites and networked devices
- Create site-level custom Apache profiles with cPanel's WHM
- Develop relationships with clients and potential customers

## Software Projects

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### QR Buddy - QR Code Generator

<https://qrbuddy.com>

- API based QR code generator service
- Supports QR codes for website links, contact cards (vCards), email, SMS, phone, GPS coordinates, WiFi credentials, and plaintext
- Stores a user's most recently created codes in the browser for easy reference

### Nucleon - CSS Micro-Framework

<https://getnucleon.com>

- Simple, dependency free CSS micro-framework for building responsive websites and user interfaces
- Flexbox based grid system with mobile-first media breakpoints, falls back to floats in unsupported browsers
- Modular design built around SASS imports
- Styled components for forms, buttons, and colors
- Numerous utility classes for sizing/spacing, working with floats, and text utilities

### Signup Genius API Client

<https://npmjs.com/package/signup-genius-client>

- API client for interacting with the Signup Genius Web API
- Supports modern JavaScript features such as promises or async/await
- Supports majority of Signup Genius API endpoints
- Simplifies the process of working with Signup Genius data

### Object Doctor - JavaScript Object Manipulation

<https://npmjs.com/package/object-doctor>

- Safely access nested JavaScript object properties
- Create new object paths and values with a simple interface
- Supports method chaining and persistent options via a Context class
- Context class can be instantiated with an object but also provides JSON support for convenience

### Minesweeper

<https://minesweeper.brycejech.com>

- Classic Minesweeper game written in pure JavaScript
- Dependency free, object oriented implementation
- Provides a unique "Hint" feature not found in other implementations
- Elegant, high contrast, and unique user interface

### Sml.af - URL Shortener (in progress)

<https://sml.af>

- Safety oriented URL shortener

- "Peek" feature enabled by default. Allows new users to inspect a link before following it
- Does not allow the submission of URLs that are themselves redirects
- Checks submitted URLs against the Google Safe Browsing API, the same API used for link safety in major browsers such as Chrome and Firefox

#### Ajax - XHR Wrapper Library

<https://github.com/BryceJech/ajax>

- Simplified interface for making XMLHttpRequests
- Cross-browser compatible (Chrome, FF, Edge, Safari, IE8+)
- Supports most XHR features

## Volunteer Work

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### Remember the Ten Website

<https://remembertheten.com>

- Manage updates to site, in process of taking over as web administrator
- Cleaned up site after a compromise
- In process of building a new site on Jekyll and GitHub Pages

### Payne County Youth Services Website

<http://pcys.org>

- Site maintenance for legacy website
- Helped with 2018 digital fundraising campaign
- Created new pages, banners for "An Evening to Remember" event

**Awards:** 2018 Creative contributions award

## Education

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### **McPherson College (2007-2009)**

**McPherson, KS**

**Major:** Spanish

Full Academic/Athletic Scholarship

### **Northern Oklahoma College (2009-2011)**

**Stillwater, OK**

**Degree:** Associate of Science - Business Administration

Dean's Honor Roll each semester

### **Frontend Masters (2017 - Present)**

<https://frontendmasters.com>

#### **Courses Completed:**

- Deep JavaScript Foundations
- JavaScript the Hard Parts
- JavaScript the New Hard Parts
- JavaScript the Hard Parts of Object Oriented Programming
- Web Security
- Networking and Streams
- Git In-Depth
- Introduction to Bash, Vim, and Regex
- Organizing JavaScript Functionality

Full resume available at <https://brycejech.com/hire-me>