

## Nathan Brenner

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 portfolio: [nathanbrenner.github.io](https://nathanbrenner.github.io)

<b>Professional Profile</b>	<p>Competant and experienced software developer</p> <ul style="list-style-type: none"> <li>client-side: html5, css3, sass, gulp.js, backbone.js, angularjs, angular, ngrx, typescript, es6, bootstrap 3 and 4, foundation, mobile first/responsive web design, jQuery, underscore.js, responsive email design, photoshop, Angular Material</li> <li>server-side: node.js, express.js, hapi.js, sails.js, jade, json, mongoose, body-parser, command-line-args, lite-server, python 2 and 3, Django, Tornado, Flask</li> <li>database: postgresql, mysql, sequelize.js, knex.js, MongoDB, orchestrate.io, third-party api's</li> <li>collaboration: git/gitHub, harvest, slack, basecamp, trello, asana, Jira</li> <li>tdd/bdd: mocha.js, chai.js, jasmine, karma, litmus, protractor</li> <li>devops: AWS, S3, Cloudfront, CircleCI</li> <li>mobile development: Ionic 1</li> </ul>
<b>Work History</b>	<p><b>February 1, 2016</b>        Senior Web Developer, CRM Blackbox, Portland, OR</p> <ul style="list-style-type: none"> <li>Angular web application with a sails.js/mysql backend turning to ASW Serverless/GraphQL. Some devops work with AWS S3, Cloudfront, AWS CLI. I wrote a shell script to automate deployments that were reusable on additional applications. Protractor e2e tests and unit test coverage. Auth0, scss, Circle CI, Action Control Lists, Angular Material, FlexLayout, ngrx, and some other great third party components like the angular cli. Smart and dumb/reusable components, lazy loading, module based architecture. Also involved some mentoring other developers less experienced with writing spas and rest apis.</li> </ul> <p><b>January 2016 – February 2016</b>        Web Developer, Biamp Systems, 9300 SW Gemeni Dr, Beaverton, OR</p> <ul style="list-style-type: none"> <li>Built a dynamic version of a web interface that could be customizable by the enduser. Vanilla JS, Backbone, jQuery, Underscore. The application integrated with a c# desktop application.</li> </ul> <p><b>July 2016 – December 2016</b>        Web Developer, Mercenary Tech, 220 NW 8<sup>th</sup> Ave, Portland, OR 97209</p> <ul style="list-style-type: none"> <li>December: Full stack development on PrintingPress, an internal app that would serve as a small content management system. I took the lessons learned from Starphyre, and built the front-end with Angular 2, webpack, Angular Material, NGRX. I refactored the existing api as needed (Python, Tornado, Postgres)</li> <li>October - December: Responsible for the front-end development of <a href="#">Starphyre</a> I build this app with angular 2, Typescript, the angular cli, webpack, ngrx, Bootstrap 4, ng-bootstrap. I coordinated the timeline on building all of the features for each week based off of the request from the client. That involved creating gitHub issues to work from, coordinating with the developer that was responsible for the api (written in Python) on which endpoints I needed and what the data models</li> </ul>

would need to look like. I sent a weekly status report to the client, and demoed the application 2 weeks before the mvp deadline. I also completed the mvp on time. Roughly 32k lines of code, 65 components, 12 services, 22 services. As a consultant as part of a remote team, I work with small to mid-size companies to help build their apps

- July - September: [Azure Standard](#) Angular 1, grunt, Docker, sass, Bootstrap, Python, Django, Postgresql, git/gitHub, Slack, VirtualBox. This site had been worked on for roughly the last 3 years, and was being deployed in August.

#### **May 2016 – July 2016**

TA, contractor, MongoDB for M101JS: MongoDB for Node.js Developers

- I provide teaching assistance for this online course by answering student questions in the forum, proof lectures, quizzes, homework and exam materials for errors.

#### **February 2016 – May 2016**

Web Developer, CMD Agency

- I wrote responsive HTML emails for a variety of clients while collaborating with QA, designers, producers, and technical directors
- I refactored an internal form that is used to create Jira epics for the email development team. The form was built with Angular 1.4.x and php, and prior to my involvement used a lot of jQuery, vanilla type validation, 1 controller per 5 views, 0 services, \$scope, and angular ui-router. My contributions included: A service for handling the data, a controller per view, controller as vm, angular form validation, and some angular ui-bootstrap directives in place of jQuery.
- I initiated building a ui library of html/css of common components to html emails as a way to improve consistent code quality and reduce time to production.
- I was hired on as a contractor through Aquent/Vitamin T and my contract was ended under good terms due to lack of work coming in for the email development team.
- HTML, CSS, Javascript, Angular, Jira, Jira REST Api, Photoshop, Litmus

#### **October 2015 – July 2015**

freelance front-end developer

- The product is a cross platform app built with Ionic. I wrote Angular controllers, services, views, and Jasmine unit tests in TypeScript with a backend developer, along with contributing on the backend api (node, hapi.js, postgresql, sequelize.js).

#### **January 2015 – July 2015**

Web Foundations Instructor, teacher assistant, Instructional Designer, Portland Code School, Portland, OR.

- Web Foundations is a 8 week class that meets twice a week in the evening for 3 hours. Topics include html 5, css 3, jquery, and basic javascript. By the end of the class, students are able to create a static web site with some minimal ui interaction.
- As an instructional designer, I standardized the lesson plans for the instructor and collaborated with the instructor to improve the course for future iterations, along with acting as a student to this class.
- As a teacher assistant, I provided feedback and guidance to students in class, along with monitoring their gitHub activity. I served in this capacity after I completed this class as a

student.

- As an instructor, I introduced new concepts and topics, along with monitoring gitHub activity, and activity with external resources such as treehouse and codecademy.

#### August 2012 – June 2013

Music Teacher, Pine Eagle School District 61, Halfway, OR

- I taught general music to k-4<sup>th</sup> grade, beginning band, intermediate band, high school band, high school choir, high school algebra, and yearbook.

#### August 2009 – June 2012

Substitute Teacher, Greater Albany Public School District 8J, Albany, OR

- I filled in for absent teachers on a short term basis in several of the school districts surrounding Albany.

### Recent Projects

Presentation on NGRX and Reactive Forms at the PXD Portland Meetup

In January and February 2017, I gave presentations on these topics. NGRX covered Store and Effects, and I demoed front end code from my secret santa app. I built a revealJS app for this presentation available

<https://github.com/nathanBrenner/ngrxRevealPresentation> . The Reactive Forms covered some fundamentals with working with the reactive forms module in Angular which I coded along with.

Secret Santa <https://github.com/SecretSantaNg2Python>

Full stack crud application. Flask/python/mysql for the server, Angular for the frontend with Angular Material. Part of my family does secret santa for gift giving during the holidays and I wanted to automate that process. Currently, this app has user authentication but little else since I got busy with professional work.

- front-end: Angular, NGRX, Angular Material
- server: Flask/python/mysql

Multipage-form <https://github.com/nathan-j-brenner/multipage-form>

Angular SPA. This is a small sample of what I was able to do to refactor a larger application for one of my previous clients. Each view has it's own controller, which on submit sends data up to the Responses Service. Questions Service provides available questions to each state. On submit of the review state, the user's responses are evaluated.

- front-end: Angular 1.4.x, Bootstrap, Angular UI Router
- server: lite-server

SnapOR <https://snaporegon.herokuapp.com/>

Single page application geared toward users that like to photograph the outdoors,

specifically in the Oregon State Parks. Project timeframe to complete mvp: July 6 – July 31. I worked with two other developers on this project.

- front-end: html 5, css 3, sass, gulp.js, backbone.js, foundation, mobile first/responsive web design, jQuery, underscore.js
- server: node.js, npm, express.js, json
- database: orchestrate.io
- third party api's: Oregon State Parks, flickr, google maps
- collaboration: git/gitHub, slack, trello

weatherForecastApp <https://github.com/nathan-j-brenner/weatherForecastApp>

First project with Angular. I worked on this mostly on an 8 hour stretch in August 2015. This project currently shows what I have been able to teach myself on Angular. The user can input a zip code, and the view changes to display the three day weather forecast for that area.

- front-end: angular.js, bootstrap, css, html
- back-end: weather underground api

calendarApp <https://github.com/nathan-j-brenner/calendarApp>

First project with mvc, primary attention between July 20-24. The user can create a day, or a group of days, and add events individually to each event.

- front-end: backbone.js, css 3, html 5, jQuery, underscore
- server: node.js, express.js

## Education

Full Stack JavaScript Immersion  
Portland Code School  
Portland, OR  
May 2015 – August 2015

Web Foundation  
Portland Code School  
Portland, OR  
January 2015 – March 2015

MS Education  
Portland State University  
Portland, OR  
August 2013 – August 2014

I did action research that recognized methods for teachers in music classes to teach students in ways that led to growth in literacy development side by side music content development. As a teacher, I recognized my role to prepare students for jobs that haven't been created yet by encouraging creativity and collaboration.

BA Music Education  
University of Nevada

	<p>Reno, NV August 2004 – May 2009</p>
<b>Certifications</b>	<p>Mongo University M101JS: MongoDB for Node.js Developers</p> <ul style="list-style-type: none"><li>▪ Completed December 9, 2015</li><li>▪ CRUD</li><li>▪ Mongo shema design</li><li>▪ Performance (using indexes and sharded environments)</li><li>▪ Aggregation</li><li>▪ Application Engineering: Drivers, Replication, Sharding</li><li>▪ Mongoose ODM</li></ul> <p>EdX: MongoDBx: M101x Introduction to MongoDB using the MEAN Stack</p> <ul style="list-style-type: none"><li>▪ Completed December 10, 2015</li><li>▪ MongoDB with Mongoose and Node.js</li><li>▪ Mongo shema design</li><li>▪ Node.js REST API with Express</li><li>▪ Angular Client</li><li>▪ Ionic Client</li></ul> <p>National Career Readiness Cerfiticate</p> <ul style="list-style-type: none"><li>▪ Level: Gold</li><li>▪ ISSUE DATE: Aug 21, 2015</li><li>▪ CERTIFICATE ID: FRJ7C628V0HT</li></ul>