

Ethan Granato

Full Stack Developer

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Work Experience

Mortgage365 – 2017-Present

Full Stack Developer

Angular, Asp.Net, Microsoft Dynamics CRM, Azure

Languages: Typescript, JavaScript, HTML, CSS (SCSS/SASS), C#, Python

Styling Frameworks: Bootstrap CSS, Angular Material

Front End Frameworks: AngularJs, Angular, RxJs, jQuery, jQueryUI, Angular Material, Ngx Bootstrap, Redux, SignalR, Node.js

Build Tools: AngularCLI, Webpack, Prettier, Husky

Back End Frameworks: Asp.Net, .Net Web API, Entity Framework, SignalR

Package Managers: npm, Yarn, NuGet, pip

General: Git, Unix, CLI, Command Prompt, VS Code, Visual Studio

3rd Party Integrations: Zillow, House Canary, twilio, Firebase, Azure blob storage, Fannie Mae and Freddie Mac, client specific integrations

Mortgage365 provides two services. The first, is an LOS bridge for Loan Officers to have an easy and efficient interface to build out loans before syncing to their existing LOS systems as well as a customer presentation engine to interface with Borrowers. The second, is a direct platform that utilizes the previously mentioned suite internally, along with a Borrower portal.

My role at Mortgage365 is to develop requested features from requirements to completion. For the majority of tasks, I need to get with the requesting party to define requirements, request any new schema I need from our CRM specialist and update corresponding API level C# models and Client side TypeScript models, build new or update existing endpoints, design and implement UI treatment and consume any data I need from said endpoint.

2017 Built open house flyer engine.

- Layout editor
- Image uploader
- Loan scenario builder
- Integrated lookup engine to pull in features, property values and images for a given address
- Pixel perfect print styling
- Link sharing (email and text through twilio)

2018 Lead migration to Angular 4+ from AngularJs.

Played major part in rebuilding our entire client-side application suite as well as corresponding updates to our backend services.

2019 Wrote directive to track application data and automatically detect and save changes with a debounce to prevent excessive saves.

Wrote external facing API suite to clients could import their loan, lead and contact data easily.

- 2020 Significant application structural updates.
- Split our applications into lazy loaded modules to significantly increase performance
 - Set up angular service worker for efficient caching of static resources
 - Updated all 3rd party script and stylesheet loads for asynchronous loading
 - Updated components and directives to minimize Angular cycle impacts
 - Moved a lot of our Promise and Timeout reliance to RxJs subscriptions
- 2021 Built AUS engine.
- Built UI for data input
 - Wrote submission logic from the client to our backend services where I had to convert it to compliant Mismo3.4 XML before sending to Fannie Mae and Freddie Mac
- Inherited our Machine Learning suite that detects and reads borrower provided documents.
Built model generator that builds TypeScript Classes, Interfaces and Enums based on our backend service equivalents.

Education

Galvanize – 2016-2017

Full Stack Development Immersive
Node.js, AngularJs, Express.js, SQL

Galvanize is a vocational program that gives full stack exposure with heavy focus on JavaScript. There was a large emphasis on keeping up with current best practices and being able to pick up anything we wanted to learn on top of the fundamentals they specifically taught us; Express.js, Knex.js, HBS, AngularJS(1.6), jQuery, PostgreSQL, Agile, Git, Github, RESTful API integration, Best Practices, Unix, CLI, Node.js, npm.

Projects

Project Mpenzi – 2018

Travel Blog (Freelance)

<https://github.com/egranato/ProjectMpenzi>

<https://github.com/egranato/ProjectMpenziAPI>

Node.js, Angular, Express.js, SQL, Firebase, Azure, Heroku

Blog supported photo and text posts from a secure admin portal and featured a cool system to see posts by place, date and other keyword options. Unfortunately, due to Covid the owner has stopped paying for hosting, however a demo is available upon request.

Built with Angular 5 and Express.js (bCrypt, JWT, Knex.js, PostgreSQL). The front end was hosted through Firebase and the back end through Heroku. I hosted user uploaded images in Azure blobs.