

ZACHARY MIGLIORINI

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SUMMARY

Full-stack software developer looking for work in an entry or junior-level position.

Most of my projects are hosted on my two websites:

zachmig.com & geosave.org

I bring a solid set of technical skills and a mature, proven understanding of workplace responsibilities to any team.

Functional, quality results that keep to deadlines are most important to me.

EDUCATION

Rochester Institute of Technology

Bachelor of Science Computer Science 2017

EMPLOYMENT

Thomson Reuters, *Software Engineering Internship (Full Time)*, Rochester, NY

Jan. 2015 - Jan. 2016

- Work was mainly done in Java (Spring framework), JavaScript, and Oracle SQL.
- Took initiative and used my downtime to develop a metrics tool for our team which quantified how impactful our workflow changes actually were.

Element in Time NYC, *Sales Associate*

2017 - Current

Sales work in the luxury goods sector - not relevant work experience but I list it here to avoid an unexplained gap in employment - more info on my website if there is any interest.

SKILLS

CORE LANGUAGES AND TOOLS: Java, SQL, JavaScript/TypeScript, Spring Framework (Boot, Data, MVC, Security),

AWS (S3, EC2, Route 53, Cloudfront, ACM), Git

FAMILIAR WITH / LEARNING: React.js, Angular, C#, .NET Framework, ASP.Net Core

PROJECTS

GeoSave.org - A Full CRUD SPA Site with User Logins/OAuth2 Hosted on AWS

- A personal project I built to accompany the popular browser game GeoGuessr. Allows users to organize and view their locations of interest.
- Backend is a Spring server with RESTful API endpoints supporting full CRUD operations run against a MySQL database.
- User authentication and request filtering via Spring Security/OAuth2 and JWTs.
- Frontend is built in Typescript and React.js - fully custom except for Bootstrap.
- Data is mainly two tables connected by a many-to-many relationship. Other tables are common helpers such as 'user' or 'country', etc.
- Operations involve creating, searching, updating, or deleting these records, as well as creating or deleting the many-to-many links in bulk.
- Demo account with pre-loaded data accessible via username/password of "demo".

Turn-Based Browser Game on a 2D Board (Angular/TypeScript) - Current WIP

- The project I am currently working on in order to develop my skills with Angular and RxJS.
- The combination of keeping track of the board state, turn/round state, and valid user interactions makes for an excellent learning environment.

RESTful Server & Neo4j Database + React.js Client Hosted on AWS

- Neo4j database hosted on an AWS EC2 instance.
- Java Spring application hosted on the EC2 takes client requests to a REST endpoint, runs a query against the database, and returns the results.
- Client website uses the React.js library to display the updated results to the user without refreshing the whole page.

Flag Quiz Game - Built with React.js, Then Again with Angular - flagquiz.zachmig.com

- Quiz game I created to help me learn flags of the world.
- Built it first in React.js and then ported it to Angular to help accelerate my Angular learning.
- Hosted on AWS on a subdomain of my site.