BRANDEN GE - Software Engineer

brandenge@protonmail.com | 517-438-6709 | linkedin.com/in/brandenge | github.com/brandenge

Software engineer and Marine Corps veteran with an additional background in business and writing. Passionate about using data and robust software to solve problems and create amazing user and community experiences. Enthusiastic team player with a strong mindset for grit, growth, and excellence.

SKILLS

Frontend: JavaScript, React, Redux, HTML, CSS, Bootstrap, SASS
Backend: Ruby, Ruby on Rails, ActiveRecord, Node.js, Express, SQL, PostgreSQL, MongoDB, Python, Django
Testing: Test-Driven Development, Jest, RSpec, Capybara, Faker, Factorybot, WebMock, VCR, Pytest
Tooling: Git, GitHub, Heroku, Netlify, Auth0, AWS, CircleCI, GitHub Actions, Docker, Postman
Design: Object-oriented programming, facades, SOLID principles, REST, MVC, microservices

SOFTWARE PROJECTS

Hyperloom, Team Project | 80 hours | https://github.com/The-Never-Ending-Story   **July 2023**
Tech Stack: Python, Django, Django REST Framework, Pytest, JavaScript, React, Redux, GitHub Actions, Heroku
Tool for creating AI-generated descriptions and images of fictional worlds, locations, events, and characters.
  ● Integrates with the ChatGPT API for AI-generated text and the Midjourney API for AI-generated images.
  ● Built the backend API service, test suite, and set up continuous integration with an entirely new tech stack.

Platebook, Team Project | 120 hours | https://github.com/andrew-bingham1/plate-book-be   **June 2023**
Tech Stack: Ruby, Rails, ActiveRecord, ERB, RSpec, Capybara, CircleCI, PostgreSQL, Docker, AWS, Bootstrap
A social media site based on using license plates to connect people after driving.
  ● Utilizes Google Maps API for geolocating posts, and consumes a Sentiment Analysis API for chat moderation.
  ● Led deployment efforts using Docker containers on AWS ECS, using Fargate (serverless) EC2 instances and a custom domain routed through an application load balancer to target and handle dynamic IP addresses.

DiscoverWare, Team Project | 80 hours | github.com/brandenge/discoverware   **Sept 2022**
Tech Stack: JavaScript, React, Express, Node.js, MongoDB, Mongoose, Bootstrap, Auth0
Built a web application for navigating, saving, and exploring locations on a map via geo-located images.
  ● Implemented features utilizing the Google Maps and Google Places APIs and handled their integration.
  ● Led overall team effort in building both the React front-end and Express back-end.

PROFESSIONAL EXPERIENCE

MB Financial Bank, Mortgage Closer, Ann Arbor, MI   **2012 - 2015**
  ● Rapidly acquired business domain knowledge, becoming proficient in the roles of 4 different departments (pre-closing, closing, funding, and job verification) in about a year.
  ● Thoroughly documented company knowledge and processes leading to improvements in the onboarding process for new mortgage closers, and being selected to train new mortgage closers.

RightBrain Networks, Project Manager, Dexter, MI   **2011 - 2012**
  ● Shipped 5 custom software projects as the primary point of contact for clients, gathering business requirements and managing project tasks for the software development team.
  ● Handled multiple roles doing business analysis, proposal writing, technical documentation, technical support, testing, quality assurance, and accounting.

EDUCATION AND CERTIFICATIONS

Turing School of Software and Design, Denver, CO   **2023**
Certificate - Back End Software Engineering - ACCET-Accredited, 1500-hour, 7-month intensive program

Code Fellows, Seattle, WA   **2022**
Certificate - Advanced Software Development in Full-Stack JavaScript - 720-hour, 4-month intensive program

University of Michigan, Stephen M. Ross School of Business, Ann Arbor, MI   **2012**
Bachelor of Business Administration - included computer science coursework