

Benjamin Lin

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EDUCATION

DigitalCrafts Coding Bootcamp | *Certificate in Software Engineering*

April 2019

- Software engineering training course covering full-stack development including JavaScript (emphasis on cutting-edge frameworks like React and Redux) and server-side technologies including Node.js, Express and PostgreSQL.

Louisiana State University | *Bachelor of Science in Civil Engineering*

May 2014

SKILLS

- Node.js, React, Redux, Express, React Native, PostgreSQL, Sequelize, EJS, JavaScript, CSS, Bootstrap, HTML, Restful API, Debugging, Azure Devops, Jest, TestNG, Kibana, Elasticsearch, HAProxy, Keycloak.

EXPERIENCE

Hitachi ABB Power Grids

February 2020 – Present

R&D Associate Software Engineer

- Engineer for Analytics team utilizing ReactJS, Kibana, and Elasticsearch to build dashboards to analyze power outages.
- Developed analytical dashboards to analyze power outages according to IEEE standards and asset reliability.
- Developed single sign on with OpenID connect utilizing HAProxy, Keycloak, and Azure Active Directory.
- Developed pipeline release for Analytics in Azure Devops to be part of the overall Digital Enterprise product.
- Created multi-tenancy for Kibana using the identity provider in Keycloak to provide different access for individual nodes in a cluster.
- Employed Jest testing to test ReactJS in the build pipeline.
- Tested overall analytics application features with TestNG in Java.
- Accomplished minimum marketable features goals every release set by management to satisfy customer requirements.
- Worked as part of a scrum team utilizing agile methodologies with Jira and documenting development strategies and instructions using Confluence.

Robertson Loia Roof, PC Architects & Engineers

April 2015 – January 2020

Structural Engineer

- Worked as part of a project team collaborating with other disciplines (MEP and architectural) to resolve any conflicts or concerns to produce quality projects for our clients.
- Performed structural design and analysis for new and renovation building projects according to respective IBC and ASCE building codes and produced construction documents using REVIT and AutoCAD software.
- Carried out site visits to obtain a hands-on understanding of the progress and conditions around which the project was built.
- Maintained constant communication between the general contractor and product manufacturer to ensure field construction matches contract documents.

Relative Projects

ArtMart | artmart.ga | www.github.com/blin432/ArtMart

April 2019

- ArtMart is a slick and fast e-commerce platform to purchase art pieces.
- Each individual shopper has a unique shopping cart that has data persistence using an AWS database of the art pieces they are interested in purchasing.
- Main responsibility was to develop and test authorization of the site and to ensure the right products were rendered to the front-end for each specific shopper.
- Built with React, PostgreSQL, Golang and deployed with AWS.

Space-Maze | space-maze.com | <https://github.com/blin432/Space-Maze>

March 2019

- Space-Maze is a maze game where players have to beat each of the five levels as fast as they can.
- Each level has different powerups that either reduce time or teleport you to a different location in the level.
- Main responsibility was to develop the playing field and develop the movement of the player while managing the REACT state with each action.
- Built with React, Redux, Express, PostgreSQL, pg-promise, Passport, Session and deployed with AWS.