

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, AngularJS, Kibana, Elasticsearch, HAProxy, Keycloak, Apache Cordova

EXPERIENCE

Hitachi ABB Power Grids (Hitachi Energy)

February 2020 – Present

R&D Associate Software Engineer

- eSOMS Mobile Rounds and eSOMS Mobile Maintenance Team
 - Mobile application built with Angular and Apache Cordova that provides plant operations management data collection and analysis.
 - Tasked with upgrading mobile application to be compatible with iOS 15 Android 11, and windows 10 and meet the requirements of the apple app and google play store.
 - Added additional features and repaired bugs found to meet client needs.
 - Maintained and updated build machines for CI/CD deployment release in TeamCity.
- eSOMS Mobile Logbook Team
 - Mobile application built with Sencha Touch and Apache Cordova that is designed to automate in-the-field logging of activities.
 - Tasked with upgrading mobile application to be compatible with iOS 15, Android 11, and windows 10 and meet the requirements of the apple app and google play store.
 - Rewrote client-side API endpoints to include JWT token authorization to meet new service side security changes.
 - Added additional features and repaired bugs found to meet client needs.
- Outage Analytics Team
 - Engineer for Analytics team utilizing ReactJS, Kibana, and Elasticsearch to build 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.
 - Tested overall analytics application features with TestNG in Java and Jest in React.
 - 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

- Performed structural design and analysis for new and renovation building projects according to respective IBC building codes and produced construction documents using REVIT and AutoCAD software, while working with a project team in other disciplines to resolve and any conflicts or concerns to produce quality projects for our clients.