

# Squall Leonhart

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## TECHNICAL SKILL

JavaScript • React • HTML/CSS • jQuery • Node.js • Express.js • PostgreSQL • MySQL  
MongoDB • Axios • Artillery • Postman • Mocha/Chai • AWS EC2 • Heroku

## SOFTWARE ENGINEERING PROJECTS

**Project “Catwalk”** | Product page for high-end retail (fashion) website

[Github Repo](#)

**Node.js | Express.js | React | CSS | Axios | Webpack/Babel | FontAwesome**

- Deployed an **Express.js** server to act as an intermediary for API requests, in order to protect sensitive configuration data from the client facing application.
- Incorporated a project-wide **CSS** template using common root variables, to homogenize **UI design**.
- Utilized custom **React** data types for “option” **HTML** tags to eliminate need for additional stateful components.

**“Bandayd”** | Proof of concept for a music centered social media webpage

[Github Repo](#)

**React -router -modal -styled-components | MariaDB | Axios | Express.js | Webpack/Babel**

- Used a **React** router package in tandem with a wildcard route in the **Express.js** server to maintain page continuity between application refreshes.
- Managed all database creation methods for **MariaDB** in **sequelize** migrations, for automatic deployment.

**Quest Log** | Gamified digital personal organizer

Original: [live](#), [repo](#) | Redesign: [live](#), [repo](#)

**Node.js | Express.js | React | Webpack/Babel | FontAwesome | uuidv4**

- Fully rewriting of an original concept in React, to incorporate data trees, in a prototypal instantiation pattern.
- Wrapped several functions and state variables in a Context provider, in addition to mixing in React Hooks.
- Both projects are currently hosted on Heroku for presentation. The redesigned app will ultimately be deployed to AWS, using a Mongo database. Currently, using localStorage.

## TECHNICAL EXPERIENCE

**Coding Instructor (afterschool program)** | Pixel Academy– Brooklyn, NY

Mar 2017 - Sept 2017

- Taught children (groups of 10, ages 7-14) basic coding concepts through game development, using: visual block coding, Java, and C#.
- Helped design curriculum for programming, ran seminars at local schools and held private lessons.

**Fire Protection Engineering** | K&E Fire Protection– Manalapan, NJ

Nov 2002 - Jun 2014

- Designed fire protection systems in accordance with NFPA regulations, and local ordinance, across the US.
- Heavy project management focus, working with clients, other trades, and local authorities.
- Helped launch backflow system tests.

## EDUCATION

**Hack Reactor** | Advanced Software Engineering Immersive – Remote

Jan - Apr 2021

- Intensive study in MERN stack applications. 6 weeks of study and 7 weeks of group projects.
- Helped coach peers through technical issues, and personal development.