

## BRENDON VAN | Software Engineer

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Background in luxury smart home UI/UX design and programming. Looking to leverage education and a genuine passion for software development to drive brand loyalty, improve user experiences, and develop data driven solutions to drive profitability.

### Skills

**Languages** - Java, JavaScript, HTML, CSS, Python, SQL, MongoDB, JSON, Typescript, EJS, DTL, C++, C#, Dart, Swift

**Database** - PostgreSQL, MongoDB, MySQL, Google Firebase | **Other** - RESTful Routing, JSON api, Git, Postman

**Libraries and Frameworks** - React, Express.js, Django, JQuery, Semantic UI, Next.js, Bootstrap, Bulma

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### Professional Experience

Software Engineer - **QAV Design** | Scottsdale, AZ

SEPTEMBER 2021 - PRESENT

- Redesigned outdated UI/UX using **HTML5** and **CSS** to modernize and increase efficiency of home automation controls in commercial and residential spaces. Creating this modern interface solution has improved brand loyalty and increased sales by 35%.
- Developed an intake tool using advanced Google Sheet techniques to aid the company in managing and organizing customer data. Intake tool was created to consolidate and provide employees with quick and reliable access to customer data. Helped reduce time spent on manually recording customer data.
- Tools Used: **VS Code, HTML5, CSS, Bootstrap, JavaScript**

Software Engineer - **TheaterX** | Scottsdale, AZ

JUNE 2018 - SEPTEMBER 2021

- Worked with a team to design and develop an **iOS mobile application** using **Objective C/Swift** and **Google Firebase** for internal company use. App was used to track and update inventory, imports/exports, and customer data. Reduced company inventory losses by 50% and received praise from the current CEO/President.
  - Developed multiple modules using **C++/C#** to reduce redundancy found in various project files. Modules helped reduce time spent on programming base level code and reduced time spent on overall projects. Reduced time allowed for the company to take on more projects and in turn increased their overall revenue by 30% within a year.
  - Conceptualized an EERD and built a database to store customer information and current inventory using **SQL Server** software. Utilized **triggers and indexes** to manage the efficiency of the database and allowed for quicker queries. Used database to create visuals to help aid and inform managers of current financials and operations within the company.
  - Tools Used: **XCode, VS Code, Google Firebase, Swift, Flutter, Dart, C++, C#**
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### Software Development Projects

**Tesla Reimagined** - JavaScript, HTML, CSS, React.js, Three.js, JSON, Redux, Java, Spring Boot

SEPTEMBER 2022

*Tesla Clone but with UI/UX inspired by Nickelfox & Kushanthi Hasinika. Full-stack application with **React, Spring Boot**, and **PostgreSQL** in 1 week.*

- Amplified Tesla's webpage by focusing on improving the user car design experience.
- Implemented 3D models to create an intuitive **UI/UX**, using **Spline** and **Three.js**. Used **Spring Boot** and **Java** to invoke full Create, Read, Update, and Delete (**CRUD**) operations with **Inversion of Control (IoC)** and **Dependency Injection (DI)** to hit all **RESTful API** calls.
- Resulted in an efficient backend with an extensive level of infrastructure support and a fully operational **mobile-first approach**, user friendly web page.

**[Netflix Reimagined](#) - JavaScript, HTML, CSS, MongoDB, Express.js, React.js, Node.js, JSON, Redux**      SEPTEMBER 2022

*Netflix Clone but with UI/UX inspired by Jurre Houtkamp & Serge Stokov. Utilized a MERN stack to build a full stack application in 1 week with de-coupled React frontend and Express backend.*

- Revamped Netflix's current home page, by coordinating with a team to optimize user experience and overall functionality.
- Integrated **MongoDB, Express, React, and Node (MERN)** with full **CRUD** functionality, using **Redux** to globally manage component prop states.
- Resulted in an intuitive modernized interface to quickly find new trending movies, with clean and scalable production code.

**[Spotify Clone](#) - JavaScript, HTML, CSS, MongoDB, JSON, Restful Routing, EJS, Express.js, Spotify API, Axios**      JULY 2022

*Utilized a MEN stack (**MongoDB, Express, Node.js**) to build a full stack application in 1 week.*

- Reconstructed Spotify with search bar functionality by making use of their API and online documentation.
- Utilized **MEN** stack to modify Spotify API calls to help achieve maximum efficiency for quicker search queries.
- Resulted in an optimized, clean, and flexible production code.

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## EDUCATION

**General Assembly | Remote**

OCTOBER 2022

### **Software Engineering Immersive**

Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

**Google Data Analytics & UX Design Certification | Remote**

APRIL 2022

Relevant Coursework: R, Adobe Illustrator

**CTI Programmer Certification | Plano, TX**

SEPTEMBER 2020

Relevant Coursework: Program Design C++/C#

**Desert Vista High School | Phoenix, AZ**

MAY 2018

Academic Honor Roll 2015-2018