

# Amiano Abreu

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With a background in software development complemented by a computer engineering degree, I build robust and scalable web applications using **JavaScript**. I specialize in **front-end development** using **React.js** with **Next.js** and **Vue.js** with the **Quasar framework**, and also have a strong background in **backend development** using **Node.js**, **Express.js**, and proficiency in both **SQL** and **NoSQL databases**. Now seeking a role as a Software Engineer, I am ready to apply my practical skills and contribute to a dynamic team, fuelled by my passion for innovation and collaboration.

## Skills & Abilities

- Next.js, Hasura GraphQL,
- React.js, Vue.js, Quasar Framework
- Material-UI, Redux, React-Redux
- Firebase Authentication & Storage
- SQL, NoSQL (Cloud Firestore) Databases
- HTML5, CSS3, JavaScript (ES6)
- Node.js, Express.js, REST API (Backend)
- GitHub, Git version control system
- Agile Development

## Projects

### NETFLIX CLONE FULL-STACK ( NEXT.JS, REACT.JS ) - [GITHUB](#), [WEB LINK](#)

- A Netflix clone web app built with **Next.js** and **React.js**. The project is deployed on the **Vercel** Platform.
- Implemented the **YouTube search API** for the different category videos list.
- The videos list from home and my list pages are fetched using **Server Side Rendered** fetching of Next.js.
- Each video detail page is implemented with **Incremental Static Regeneration** fetching.
- Implemented **passwordless authentication** using Magic library to issue Decentralized ID Tokens and verify it using JWT.
- Hasura **GraphQL** with **Postgres Database** used for stats and user API's data. The API's are protected using **JWT verification** on Hasura GraphQL.
- Users can sign up and then watch videos, like or dislike the videos too.

### HYPER BIKES FRONTEND ( REACT.JS ) - [GITHUB](#), [WEB LINK](#)

- A portfolio frontend application built with **React.js** and **Material-UI** with component based folder structure.
- Implemented global store using **@reduxjs/toolkit** and **react-redux** for the user data and cart data for **app wide state management**, built **custom hook** useGetRequest for **data fetching using axios**.
- Implemented **forms** in frontend using **formik** library and **validation** of the same using **yup**.
- The application **displays news** on bikes and bikes that can be purchased by users.
- Users can add, update and delete **reviews on bikes**. Users can add, update and delete **bikes in the cart**. Users can **place and cancel order** for bikes.

### HYPER BIKES BACKEND ( NODE.JS & EXPRESS.JS ) - [GITHUB](#), [WEB LINK](#)

- **Backend REST api** with integration of production build **react app**, built with **Node.js** and **Express.js** with **cloud firestore NoSQL database** and **firebase storage** for media files.

- **Continuous Deployment** on render.com for every push to **GitHub**.
- Implemented **user authentication** using **firebase authentication** with **custom session time validity**.
- Handled **Cross Site Resource Forgery** using csrf library for preventing attackers from making unauthorized requests on protected endpoints and integrated **morgan for logging http requests**.
- Added **helmet to secure the application** by setting various HTTP headers.

## Experience

### SOFTWARE DEVELOPER | FREETHINK | APRIL 2023 – SEPTEMBER 2023

- Designed, developed and maintained applications for Grievance systems, **GIS** systems, **IoT** systems, Analytics and Operations management systems using **Vue.js** and **Quasar framework**.
- **Tested** existing systems, kept the code up-to-date with timely reviews of the same.
- Maintained and tested **node.js** backend services.
- Contribution to the technical and non-technical **documentation** of the systems developed.
- Added fieldset dependency feature for existing complex reusable dynamic form component to **reduce reconfigurations of 100+ form configurations** which saved multiple days of work.

### WEB DEVELOPER | ARTBOX GLOBAL DESIGN STUDIO | 2021 – 2022

- Developed responsive web applications using **Wix Website Builder**.
- Worked on new designs for existing websites (<https://www.rivercruisegoa.com>), (<https://www.jagluxhomes.com>), (<https://www.psychologistvasumathi.com>).
- **Built full responsive website** for photography portfolio website **in 3 days** (<https://www.rebeccadcostaweddings.com>)
- Implemented **search engine optimization** for (<https://www.rivercruisegoa.com>) website.

## Education

### COMPUTER SOFTWARE ENGINEERING | 01 FOUNDERS | 2024 – 2026

### BACHELOR DEGREE IN COMPUTER ENGINEERING | 2017 - 2021

### HIGHER SECONDARY SCHOOL CERTIFICATE IN SCIENCE | 2015 - 2017

## Activities and Interests

Logical games, motorsports, football, basketball.