

# JORGEN BAERTSCH

📍 SEATTLE, WA, US   ✉ jpbartsch@gmail.com   ☎ +1(218) 348-8032   💻 in/jorgen-baertsch/   🔗 https://jpbauer.github.io/React-Portfolio/

---

## SUMMARY

Full-stack software engineer with 3 years of experience in aerospace systems, providing a unique blend of technical expertise and problem-solving skills. Proficient with multiple technologies, including Python, JavaScript, Node.js, MongoDB, SQL, React, and GraphQL.

---

## EXPERIENCE

### Recording/Mixing Engineer/Founder

Never Peak, LLC

May 2021 – Present, US, WA, Seattle

- Produced and marketed several songs for myself and clients that have obtained 5,000,000+ digital streams.
- Utilize hardware and software devices to record and mix audio to provide client's with a song that meets and exceeds industry standards.
- Troubleshoot and resolve issues with recording hardware and software.
- Self taught audio engineering, music production, business, and marketing with Facebook Ads Manager and Pixel.

### Aerospace Systems Engineer

Left Hand Design Corporation

June 2018 – March 2021, US, CO, Longmont

- Aided in the development, procurement, and sale of Fast-Steering Mirrors for use in laser communication and defense systems.
- Interfaced with business partners to answer requests for information, develop system requirements, price tables and proposals leading to the generation of multiple contracts ranging from \$500,000 to \$5 million dollars.
- Maintained assembly travelers and performed tests to ensure critical design requirements were being met.
- Managed the creation of onboarding documentation and training of new hires.

---

## PROJECTS

### Project Manager/Backend Lead – Climate Change Impact App

May 2023 – June 2023

- Managed tasks and timelines for a team of 4 to build carbon impact calculator that utilizes JavaScript, Node.js, React, MongoDB, and GraphQL.
- Developed GraphQL typeDefs and resolvers for querying user data and updating their carbon impacts based on various inputs.
- Developed the code for MongoDB database including config files and schemas for Users, Actions, and Impact data types.
- Utilized JSON Web Token for Client to Server Authentication.
- Incorporated a GPT chatbot on the applications "Learn" page using OpenAI API.

### Project Manager/Backend Lead – Music Sharing Social Media App

March 2023 – March 2023

- Wrote backend code to fetch user data from Spotify API, parse that data, and store relevant user information in our SQL database.
- Developed randomization algorithm to take all saved songs from each user in the database and generate songs for a featured tracks section.
- Wrote model schemas and relationships for SQL database including User, Playlist, Comment, Message, and Conversation data types.
- Developed REST API controllers for user routes, playlist routes, conversation routes, and comment routes.

### Project Manager/Backend Lead – Real Estate App

February 2023 – February 2023

- Developed a website using Javascript and Node.js that utilizes an external real estate API to search cities and display current houses for sale.
- Lead the integration of geo-location data from Google Maps API to fetch data from the real estate API at users location.
- Used the Google Maps API to integrate a map feature on our webpage with markers showing the location of each house.

---

## EDUCATION

### Bachelors of Science In Aerospace Engineering

University of Colorado at Boulder • US, Colorado, Boulder • 2018

---

## CERTIFICATIONS

### Full Stack Development Certification

EdX Bootcamps via University of Washington • 2023

### Graph Developer – Associate

Apollo GraphQL • 2023

---

## SKILLS

JavaScript, Node.js, SQL, MongoDB, React, UI/UX, HTML, CSS, Python, Git, REST API Development, GraphQL, Data Structures, Algorithms, System Design, Microservices, Project Management, Docker, Jest, Debugging, Data Engineering, MVC, Microsoft Office