

SKILLS

JavaScript | **React** | **Python** | **Go** | **HTML** | **CSS** | **SQL** | **PostgreSQL** | **Git** | **Frontend** | **Backend** | **Fullstack Web Development**
| **Axios** | **Ruby on Rails** | **Nuxt.js** | **Vue.js** | **Webpack** | **Redis** | **Elasticsearch** | **AWS** | **MongoDB** | **Express.js** | **Node.js**

EXPERIENCE

Backend Service Engineer

Illfonic, LLC.

Sep 2021 - Dec 2024

- Revamped and expanded internal Frontend Dashboard using **React** and **JavaScript**, integrated with **APIs** developed in **Go**, creating seamless user experiences for internal teams.
- Collaborated cross-functionally with the Builds team to develop a centralized Builds monitoring page in **React**, **JavaScript** and **Go**, streamlining diagnostics and daily workflow.
- Optimized and maintained Backend **Go microservices**, cutting **API** response times by 30% and increasing system capacity to handle 50% more concurrent traffic.
- Designed and implemented a Backend friend service in **Go** and **PostgreSQL** relational database, writing complex **SQL** queries, delivering fully tested **APIs** within one week, enabling downstream microservices and game teams to implement new social features at scale.

Research Associate I

Biotium, Inc.

Feb 2019 - Jan 2021

- Conducted 300+ bioconjugation reactions, ensuring 98% customer satisfaction and quality product development.
- Led weekly QC testing using ELISA, HPLC, and gel electrophoresis, achieving a 95% pass rate for viable products.
- Researched and improved protein stability for 100+ chromophoric conjugates, influencing the successful launch of 3 new high-brightness products with 150% improvement.

Operations Assistant

Karius, Inc.

Aug 2018 - Sep 2018

- Automated SQL data processing, generating reports that improved the research team's visibility into progress.
- Optimized interoffice mail logistics, boosting productivity by 10% through a refined delivery system.

PROJECTS

DisGuy | (*Ruby on Rails, React/Redux, JavaScript, ActionCable/Websockets, HTML5, CSS3, Webpack*) **offline** | [github](#)

A full-stack, single-page web app clone of Discord (a web communication platform)

- Designed and Built backend using **Ruby on Rails MVC** Framework and **PostgreSQL** database, including data models such as servers, text channels, users and messages.
- Optimized frontend rendering and data handling, using **React/Redux** and improving client-server efficiency.
- Implemented real-time chat using **Rails Action Cable & Redis**, supporting instant message delivery for thousands of concurrent users.

Geese Shooter | (*JavaScript, HTML5, CSS3, Webpack*)

live | [github](#)

An interactive 2D shooter game built using Canvas and Vanilla JavaScript

- Implemented **HTML Canvas** to dynamically render 2D shapes and bitmap images to create visually compelling background and game characters.
- Designed real-time collision detection & physics system, enabling responsive player interactions and dynamic enemy behaviors.

EDUCATION

AppAcademy - *Highly selective Full Stack Software Development program with a 3% acceptance rate.* 2021

University of California, Davis - *BS Pharmaceutical Chemistry.* 2018