

Karlson Drendel

Vancouver, Washington • 3605538451 • karlsondrendel@gmail.com • [linkedin.com/in/karlson-drendel](https://www.linkedin.com/in/karlson-drendel)

Software Engineer

Passionate Full Stack Engineer offering over 3 years of experience in software product development and scaling. Progressed swiftly from Front-end Engineer to Lead Software Engineer at Covey, assumed technical ownership of the flagship product 'Training Club'. Assisted in the optimization of data storage and querying mechanisms to support over 3,000 active monthly users, resulting in a remarkable 500% reduction in load times for performance charts and ensuring a seamless user experience. Co-developed the implementation of client-facing systems facilitating financial trades on the Ethereum blockchain, culminating in Covey claiming the #20 spot on dappRadar, the premiere platform for discovering Web3 applications.

Demonstrating prowess in both front-end web application development and data access layers, spearheaded the site-wide rebranding initiative at Covey, translating Figma mock-ups into captivating and intuitive user interfaces. Additionally, led the design and development of internal admin interfaces at Ascend Software, resulting in a 50% increase in operational efficiency for the customer service department and earning accolades from stakeholders.

With over 7 years of graphic design expertise, adept at bridging the gap between design and development and ensuring the technical feasibility of UI/UX designs. Proficient in an array of technologies including HTML5, CSS, JavaScript, TypeScript, React, Vue.js, Node.js, and more. Committed to delivering high-quality solutions while adhering to best practices and agile methodologies.

WORK EXPERIENCE

Covey • Vancouver, Washington, United States • Full-time
Lead Software Engineer

02/2022 - 09/2023

- Secured a 2.5 million seed funding round and generated a community of over 3000+ users, facilitating stock market paper trades recorded on the blockchain, tracking 50+ metrics every 5 minutes through collaborative development of Covey's core product using modern web technologies such as React JS, NodeJS, and PostgreSQL.
- Created the first-of-its-kind platform for allowing financial analysts to own immutable track records utilizing the blockchain to showcase to potential employers. This also resulted in Covey becoming the #20 social platform on dappRadar, the premiere site for discovering Web3 applications.
- Maintained technical ownership over Covey Training Club, achieving a 500% reduction in average load time for users' portfolios.
- Increased user engagement and signups by 15% by implementing site-wide re-branding and data-optimization.
- Designed and constructed an admin interface for managing and automating mass email distributions, and performance-based monthly crypto payouts to users.
- Developed and implemented Covey's automated email campaign system, encompassing template creation, backend development, and CRON job setup, ensuring personalized messaging based on user profile completion. This resulted in a 10% increase in user retention rate, and increased email click rate by over 40%.

Ascend Software • Remote • Full-time
Software Engineer Intern

09/2021 - 02/2022

- Assisted in development of AI-driven accounts payable automation SaaS for medium to large enterprises.
- Designed and built Vue.js-based UI components for production-build, now integral to the daily operations of thousands of clients.
- Facilitated the implementation of database enhancements, including the merging of client profiles, to optimize data management and operational efficiency.
- Spearheaded the design and development of internal admin interfaces delivering critical features that increased operations in the customer service department by 50%, garnering exceptional gratitude from stakeholders.

- Provided individualized mentorship to students, dedicating extra hours to help refine their programming skills and debug web applications effectively. This effort resulted in a notable 20% decrease in cohort dropout rates.

EDUCATION

Mastery Certificate in Web and Mobile Development

Epicodus Code Academy

12/2020 - 10/2021

- Acquired proficiency in web-based application development through an intensive 2,000-hour immersive program, mastering technologies such as HTML, CSS, React, Typescript/JavaScript, C#, .NET, SQL/NoSQL, and more.
- Developed a comprehensive understanding of fundamental computer science principles including data structures, algorithms, and computational complexity, enabling efficient problem-solving and algorithmic design.
- Actively participated in daily pair-programming sessions and collaborative problem-solving exercises, fostering teamwork, communication, and effective coding collaboration skills.
- Achieved the 'Interface Design Award' for final capstone application, acclaimed for its outstanding UI/UX design among Epicodus' 2021 cohort.

Associate's Degree in Arts & Design

Clark College • GPA: 3.7

08/2016 - 12/2019

- Acquired comprehensive knowledge of UI/UX design principles, including user-centered design, information architecture, wireframing, and prototyping.
- Applied principles of typography, color theory, and layout design to enhance user experience in digital platforms.
- Actively engaged in extracurricular activities related to UI/UX design, such as attending industry conferences and workshops.

CERTIFICATIONS

Ethereum and Solidity: The Complete Developer's Guide

Udemy

09/2022 - Present

Algorithms and Data Structures Masterclass

Udemy

08/2021 - Present

HTML Email Mastery: Responsive Email Development

Udemy

07/2023 - Present

SKILLS

React.js, VueJS, NextJS, Node.js, Go, Python, HTML 5, CSS, Tailwind, JavaScript, TypeScript, Web3