Edgar Lee

Full Stack Software Engineer

Innovative and results-driven Software Engineer with over 3 years of experience designing and launching full-stack web and mobile applications from 0 to 1. Adept at translating user needs into scalable and intuitive digital products. Collaborative mindset with strong ownership that delivers high-impact solutions in fast-paced environments.

EDUCATION

App Academy
Apr 2022 - Oct 2022
- 1000+ hrs immersive software development course with a focus on full stack web development and 300+ hrs paired programming

University of California, Irvine (UCI)
Aug 2019 - May 2021
- B.S. Public Health Science, Deans Honor List

SKILLS

Programming Languages:
Typescript, Javascript, Python

Development Tools:
VSCode, Github, Figma, ClickUp, Jira, XCode

Mobile/Web Development:
Firebase, React Native, Expo, Next.js, AWS, SQL, Node.js, Express.js, Flask, Sequelize, MUI, Tailwind, PostgresSQL, Framer Motion, Expo, HTML, CSS, React, Redux

Certifications:
App Academy's SWE course, freeCodeCamp's JS Algorithms and Data Structures, Harvard's CS50

CONTACT

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Linkedin / Github / Portfolio

Awards
Osher Initiative Scholarship, United Taishan Association Scholarship, Deans Honor Roll, Top 1% Valorant Rank

Activities
Badminton, Bodybuilding, Calisthenics, Hiking, Pickleball, Gaming

EXPERIENCE

Front-End Software Engineer (Founding Team)
Venhub Global Inc., *Pasadena, California*   *Jan 2024 - Present*
- Successfully launched VenHub's first customer e-commerce mobile application on both iOS and Android, ensuring seamless user experience for cross-platform use with 4,500+ users, generating $5,000+ weekly sales, and 2,000+ orders per month
- Engineered an internal tool for vendors to restock items inside the hub 5x quicker with 400+ product SKUs
- Directed a team of 2 other engineers to ensure seamless development processes of features to manage an MVP product utilizing ClickUp and Scrum life cycle methodologies
- Crafted VenHub's customer and owners mobile application from scratch with React Native, Expo, Typescript, Stripe, Shopify, TanStack Query, following RESTful API, user authentication utilizing Firebase authentication, and Firestore NoSQL database for scalability
- Developed an application model and database schema for client delivery from inception, leveraging NextJS, Tailwind, Material-UI (MUI), and Framer Motion
- Spearheaded new user interface design utilizing Figma, innovating new features, user accessibility, and enhanced user experience for both the customer & owners' app by scaling UI to be iPhone, Android, and tablet/iPad compatible across all different screen sizes

Full Stack Software Engineer
Raidon Inc., Remote, New York   *May 2023 - Dec 2023*
- Crafted and delivered web applications for clients using Next.js and Express.js, ensuring seamless database connectivity and integrating user-focused features across 500+ properties
- Established donation feature for music festival client through embedding code to their SquareSpace site, generating $500+ weekly donations
- Revamped Raidon's current web application, refactored legacy code for efficiency, maintainability, and increased performance utilizing NextJS framework, Material UI, Tailwind, and FramerMotion animations
- Championed test-driven development (TDD) approaches to consistently produce scalable, dependable code, collaborating with multiple senior engineers to amplify features for seamless integration into a production-level environment
- Collaborated extensively with UX designers and senior engineers throughout the development lifecycle, actively contributing to schema design, implementation, Figma designs, and debugging of RESTful API-based web applications

PROJECTS

VenHub Mobile App | React Native, Expo, TypeScript, Firebase, Stripe, TanStack Query
IOS | Android
VenHub's customer mobile app   *Jan 2025 - Present*
- Implemented secure authentication and real-time data sync using Firebase Auth and Firestore, enabling seamless user sessions and scalable NoSQL data models
- Integrated Stripe and Shopify APIs for smooth checkout, cart syncing, and inventory management across multiple different hubs
- Designed and developed a responsive, cross-platform UI compatible with iOS, Android, and tablet devices using scalable layout patterns and Expo
- Led Figma-based design iterations, enhancing accessibility, user retention, and engagement through thoughtful UX flows

Raidon Web | Contentful, React, NextJS, Typescript, Tailwind CSS, MUI
Live Site *Company Web Application revamped from scratch*   *Oct 2023 - Dec 2023*
- Collaborated seamlessly with cross-functional teams to conceptualize, design, and engineer a feature-rich platform
- Integrated powerful third-party libraries such as Contentful and React hooks for form handling, pulling data from headless CMS, enriching the application's functionality and performance.
- Employed animation and styling libraries such as Framer Motion, Tailwind CSS, and MUI to enhance user interaction and implement a more dynamic interface

Past Experiences:
Medical Scribe & EMT   *Aug 2021 - Apr 2022*
- UCLA's Ronald Reagan Hospital for Head & Neck Surgery (ENT)
- Keck Hospital of USC for Rheumatology and Family Medicine
- CARE ambulance and OCEMT