Edgar Lee

Full Stack Software Engineer

Results-driven Full-Stack Software Engineer with over 2 years of experience, complemented by a strong medical background as a certified EMT and medical scribe from USC & UCLA. Passionate about building user-oriented web and mobile applications. A collaborative individual with proven experience in both the medical and tech industries, seeking opportunities to utilize my technical skills and create impactful projects.

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

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

626 - 417 - 5938
edgarlee135@gmail.com
Los Angeles Metropolitan Area, CA
Linkedin / Github / Portfolio

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

Activities
Competitive Badminton, Bodybuilding, Calisthenics, Hiking, Valorant

EXPERIENCE

Front-End Software Engineer (Founding Team)

Venhub, Autonomous Solutions   *Jan 2024 - Present*
- Developed an application model and database schema for client delivery from inception leveraging NextJS, Tailwind, Material-UI (MUI), and Framer Motion
- Collaborated closely with senior engineers, employing JIRA SCRUM life cycle methodologies to successfully manage 2-week project sprints and ensure seamless development processes
- Executed a tech-stack migration, transitioning from PHP laravel to NextJS typescript for improved performance and scalability for our web application for investors and demo purposes
- Crafted Venhub's mobile application with React Native, following RESTful API, user authentication utilizing firebase authentication with firestore NOSQL database for scalability
- Implemented Stripe payment processor, QR scanner verification, OTP phone authentication, and upgraded UI to be iPhone, Android, and tablet/iPad compatible across all screen sizes
- Successfully launched a fully functional and compatible e-commerce mobile application on both iOS (via TestFlight) and Google Play Store, ensuring seamless user experience for cross-platform use

Full Stack Software Engineer

Raidon Inc.   *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 100+ properties
- Collaborated extensively with UX designers and senior engineers throughout the development lifecycle, actively contributing to design, implementation, figma designs, and debugging of RESTful API-based web applications
- Championed test-driven development (TDD) approaches to consistently produce scalable, dependable code, collaborating with multiple senior engineers to amplify features for seamless integration into production
- Applied agile methodologies, SCRUM frameworks, and SEO optimization for streamlined project management and punctual deliverables
- Revamped company's current web application, refactored legacy code for efficiency, maintainability, and increased performance

PROJECTS

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

Pear & Lotus | React / Redux, Python, Flask, SQLAlchemy, Alembic
Live Site | Github

A full-stack skincare web application inspired by Peach & Lily   *Oct 2022 - Feb 2023*
- Introduced MVP features for products/reviews with categories, enabling full CRUD capabilities to enrich user shopping experiences
- Established user authorization routes to grant specific features to authorized users, securing accounts through CSRF middleware protection
- Engineered a database schema to enhance coding efficiency and relationship organization via PostgreSQL, leading to a 21% drop in code conflicts

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