⟨LH⟩ LENA HE

SOFTWARE ENGINEER

I am a software engineer specializing in web development and UX prototyping. My experience in fullstack web development and UX design allows me to seamlessly bridge technical implementation with user-centeric design. Problem-solving and creative thinking have always been my passion which drives my skills toward the growth of the organization. I look forward to bring result-oriented solution as a developer, work independently or engage in a collaborative agile environment in order to execute strategic initiatives effectively and efficiently.

EXPERIENCE

Software Engineer
Singuli Inc. | New York (Remote)

Dec. 2021 – Apr. 2024

- Developed complex, reusable UI components utilizing TypeScript/Angular, tables, chart libraries, and customized stylesheets for Material Design components, ensuring seamless data handling from the back-end to display on a sophisticated UI with export/import features.
- Improved the reliability and consistency of the frontend for forecasting, analytics, and reporting features of the web application by delivering well-organized, high-quality code structures and maintaining best practices and design system documentation.
- Contributed individually and as a team member to drive continuous technical improvements including new feature development, bug fixes, peer code reviews, and maintaining high-quality code with Jasmine unit tests and Cypress E2E tests.
- Led frontend feature meetings, created wireframe prototypes and facilitated design flows to unify cross-functional teams, assisting product management in defining requirements, design references, development tickets, and user acceptance testing for timely project delivery

UI UX Developer
iSmart Technology | Toronto, Canada

May 2018 – Oct. 2021

- Worked in conjunction with product manager in early stages of concept development and brainstorming adapting to Lean UX processes. This process helped to increase IoT product delivery by 10X of the capacity
- Scoped, designed, developed, tested and maintained IoT cloud platform consisting of new and legacy web applications, API's and automated reporting services, utilizing Angular front-end and sendgrid templates
- Collaborated with cross-functional team to develop customer login portals on reporting platform by transforming design from wireframes to UI iterations, and optimized Javascript chart & grid libraries
- Proactively engaged with service team to focus on problem-solving, build, measure and learn upon end-user feedbacks to reach business & user outcomes, resulting in shortened timeline for work orders by 2 weeks

Freelance Web Developer | Toronto, Canada

Apr. 2018 – Apr. 2022

- Developed and deployed progressive web applications for custom designed EdTech projects, including scope and design contribution
- Designed prototypes and delivered web applications using MVC-style frameworks like Ruby on Rails for the back-end, and modern Javascript frameworks like React and Next.js
- Provided strong visuals with responsive UI and optimized content load time, utilizing HTML5/CSS3, SASS, Bootstrap, Material UI and Javascript libraries
- Deployed and maintained various Wordpress websites with marketing contents to support SEO and responsive views for all desktop and mobile email clients

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PERSONAL HIGHLIGHTS

- Well-versed in CI/CD pipeline and work with agile teams
- Thorough and meticulous, with exceptional ability to prioritize and multi-task
- Comfortable with critical team analysis and independent decision making
- Strong understanding of app architecture, components, content-specific design, and accessibility of UI

PROFESSIONAL SKILLS

LANGUAGES / LIBRARY

HTML5 / CSS3 / SASS

TYPESCRIPT / JAVASCRIPT

REACT.JS / NEXT.JS

ANGULAR

RUBY ON RAILS

SQL / POSTGRESQL

GIT / GITHUB

SOFTWARE

Wordpress

Figma / Sketch / Adobe XD

Balsamiq

Adobe Illustrator, InDesign, Photoshop

EDUCATION

General Assembly / Bitmaker | Toronto, Canada

Full Stack Web Development Certificate

- Completed 12-week full-time immersive web development bootcamp (468+ hours)
- Delivered collaborative web app project, *Baking with Mary,* utilizing HTML/CSS, Javascript/JQuery, AJAX, Ruby on Rails, PostgreSQL, and Git

OCAD University | Toronto, Canada

Bachelor of Design, Graphic Design program

Showcased in Grad Show Exhibition with Thesis: Enhancing the Experience of Online Food Delivery

LANGUAGES

Fluent in both written and spoken English and Mandarin