‹LH› LENA HE

SOFTWARE ENGINEER

I am a software engineer specializing in frontend development and UX prototyping. My experience in web development and UX design allows me to seamlessly transform creative visions into coding reality. 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 environment in order to execute strategic initiatives effectively and efficiently.

EXPERIENCE

Software Engineer   *Dec. 2021 – Apr. 2024*
Singuli Inc. | New York (Remote)

- 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 part of a team to ensure continuous technical improvements and alignment with team and company goals. Responsibilities included daily tasks related to new features, bug fixes, peer PR reviews, and maintaining high-quality code with Jasmine unit tests and Cypress E2E tests.
- Led new frontend feature meetings, creating wireframe prototypes and design flows to bring cross-functional team together, make final decisions on outcomes, and deliver projects on time. This process assisted product management in design, development, and testing to create: 1) requirements, 2) design references, 3) high-level development tickets, 4) follow-ups/syncs, and 5) user acceptance testing.

UI UX Developer   *May 2018 – Oct. 2021*
iSmart Technology | Toronto/Brampton

- 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   *Apr. 2018 – Nov. 2019*

- Developed and deployed progressive web applications for custom designed EdTech projects, including scope and design contribution
- Designed prototypes and delivered websites using MVC-style frameworks like Ruby on Rails for the back-end
- Provided strong visuals with responsive UI and optimized content load time, utilizing HTML5/CSS3, SASS, Bootstrap, Javascript/JQuery/AJAX
- 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

ANGULAR

TYPESCRIPT / JAVASCRIPT

RUBY ON RAILS

REACT.JS / NEXT.JS

SQL / POSTGRESQL

SOFTWARE

Wordpress

Balsamiq

Figma / Sketch / Adobe XD

Adobe Illustrator, InDesign, Photoshop

EDUCATION

General Assembly / Bitmaker | Toronto
Oct. 2017 – Jan. 2018

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, PostgresSQL, and Git

OCAD University | Toronto
Sept. 2008 – Apr. 2012

Bachelor of Design, Graphic Design program

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

Sheridan College | Oakville
Sept. 2006 – Jan. 2008

Bachelor of Applied Arts, Animation program

LANGUAGES

Fluent in both written and spoken English and Mandarin

References available upon request