Jonathan Maskew

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Detail-oriented Software Engineer focused on front-end web development. Proven ability to translate mockups into component-based interfaces using React and Angular. Experienced in delivering high-impact solutions, such as a full-stack overhaul of an e-prescribing workflow, pioneering a data-import tool that leverages an open-source Large Language Model, and improving security through multi-factor authentication. Eager to apply my unique skills in a challenging role.

Professional Experience

Software Engineer • myhELO • Fishers, IN • June 2024 – Present
- Engineer new features using a custom JavaScript framework and PHP, empowering doctor's offices nationwide and giving thousands of patients access to their health data.
- Streamline front-end development by building reusable, documented front-end components that reduce code redundancy.
- Pioneer a tool that leverages a Large Language Model to intelligently parse and import user data from an unstructured CSV file, introducing automation to a tedious workflow that significantly reduces user import times.
- Led a full-stack rebuild of the e-prescribing infrastructure by rewriting all front-end and back-end files and integrating with third-party APIs, increasing reliability and functionality.
- Re-architected the site-wide UI template to spotlight crucial patient data, increase layout flexibility, and simplify development.
- Improve user activation by building a workflow to guide new users through password creation, profile setup, and initial training.
- Strengthen security by implementing a reusable multi-factor authentication component that supports email, text, and passkey.
- Onboard new software engineers through training and guidance to accelerate their understanding of the codebase.
- Establish a Figma component library to enable design-to-development workflows and ensure intuitive, consistent experiences.
- Present progress demonstrations directly to the CEO and Director of Software Development to gain feedback on priority projects.

Software Engineering Intern • Allegion • Carmel, IN • May 2023 – Aug 2023
- Translated mockups to front-end code for a scalable announcements feature within a component-based Angular site, integrating with back-end APIs, to allow hundreds of users to access announcements and administrators to send targeted announcements.
- Collaborated daily with Product Owner, Interaction Designer, and Back-end Developer interns, following the Scrum methodology.

Software Engineering Intern • Qualifi • Indianapolis, IN • May 2022 – Aug 2022
- Shipped new features and improved usability within a Next.js codebase by translating designs into front-end code.
- Followed the Scrum methodology to communicate daily with the Engineering, Product, and Product Designer teams.
- Ensured contributions maintained system reliability and functionality by implementing unit test cases using React Testing Library.

Website Designer • Texy Mexy • Noblesville, IN • Oct 2018 – Jan 2021
- Created a WordPress website for a local Tex-Mex restaurant to promote its products, market events, and expand reach.

Leadership Experience

Secretary • Hack the Future • Purdue University, West Lafayette, IN • November 2023 – May 2024
- Oversaw club logistics, including event planning, member communications, and administrative tasks, to keep members engaged.

Design Director • Hack the Future • Purdue University, West Lafayette, IN • March 2022 – May 2024
- Mentored four project teams on UX/UI principles and provided resources to translate Figma mockups into front-end code.
- Revamped outreach efforts and designed marketing in Figma leading to a record-breaking nearly 90% increase in applicants YoY.
- Established branded components in React to streamline development and maintain consistency across all team projects.

Software Developer • Hack the Future • Purdue University, West Lafayette, IN • Sep 2021 – May 2022
- Worked with a team of eight to deliver a website on schedule that allows Leadership Lafayette to collect and browse testimonials.
- Developed front-end interfaces using React that mimicked the Designer's mockups and integrated with a MongoDB database.

Education

Purdue University • West Lafayette, IN • May 2024
- **Degree:** Bachelor of Science in Computer Science, concentration in Software Engineering
- **GPA:** 3.69 out of 4.0; **Dean's List:** 4 semesters (Spring 2022 – Fall 2023); **Semester Honors:** 5 semesters (Fall 2021 – Fall 2023)

Skills

- **Knowledgeable areas:** Front-end Development, Web Development, Responsive Web Design, Component-based Architecture, Agile, Scrum, Full-stack Development, UX/UI Design, Code Reviews, APIs, Large Language Models, Unit Testing, Accessibility
- **Languages:** JavaScript, CSS, TypeScript, HTML, PHP, Java, C
- **Frameworks:** Next.js, React, Angular, Tailwind CSS, Node.js, React Testing Library
- **Tools:** GitHub, Figma, Git, Sentry, WordPress