


Crystal Wang

crystalwang95@gmail.com (309)-258-6129 Oakland, CA

Software Development Engineer

- Software Engineer experienced in building and deploying complex web solutions. Well versed in Computer Science principles, Data Structures & Algorithms, continuous integration and Test-Driven Development.
- Front-end Developer with an acute knowledge of web technologies. Strong command of JavaScript, TypeScript and Flow, as well as HTML and advanced CSS functionalities. Exceptional appreciation for design aesthetics & intuitive UI.
- Expert in React, skilled at designing compelling and engaging user experience, as well as building and integrating both REST and GraphQL APIs. Solid grasp of microservice architectures.
- Avid learner with a strong technical curiosity, passionate about cutting-edge technology and always striving to learn new skills. Flexible and adaptable mindset, open to new ideas and willing to respond rapidly and positively to change.

Education

University of Illinois 
B.Sc. in Computer Science
Champaign, IL, 2015-2018

Technical skills

Languages: JavaScript/TypeScript, Flow, HTML, CSS, Node.js, Python, Scala, Java
Frameworks & Libraries: React, Redux, Next.js, Express, ThreeJS, p5.js
Databases: MySQL
Dev Tools: Git, WebPack, VSCode, IntelliJ, Terminal, Linux, GraphQL, Aurora

Professional Experience

Twitter Software Development Engineer

San Francisco, CA Oct. 2018 - Nov. 2022

- Contributed to the software development lifecycle by designing and improving features for Twitter's self-service advertiser portal responsible for 70% of Ad revenue, delivering clean and scalable code in JavaScript, with React, Redux and GraphQL.
- Collaborated within a multi-disciplinary team including product managers, UI designers, copywriters and legal teams. Liaised with designers to bridge the gap between Figma designs and functional web pages, paying special attention to accessibility. Worked in partnership with the API team to write, test, and launch necessary endpoints in Scala.
- Thoughtfully identified functional & system requirements, researched adequate technologies and selected architectural & design patterns allowing for maximum scalability and performance.
- Staged functional pages with incremental design changes in a production development environment to facilitate seamless collaboration with cross-functional partners. Ensured project ownership post-launch by producing technical documentation and test summaries for weekly regression QE teams.
- Engineered an end-to-end UI redesign leveraging GraphQL, React+Redux, and Scala, which allowed for a more frictionless UI and resulted in increased customer trust.
- Crafted a backend microarchitecture aimed at simplifying ads bidding UI by simplifying 1000+ lines of disconnected legacy code into its own service with attention to scalable, readable, maintainable, and well documented code.
- Delivered presentations and drove technical discussions on new designs, features and development plans. Maintained a high engagement in meetings, asking calibrated questions to reach alignment and optimize for delivery.
- Created clear, concise and user-friendly documentation pertaining to testing, accessibility, server, databases and APIs, and wrote clean and legible code with commenting for others to read, understand and collaborate easily.
- Mentored junior engineers by assigning tasks and progressively challenging them to foster growth and independence. Provided guidance and conducted coding reviews, remaining available and accessible to encourage communication and collaboration.
- Initiated and led team office hours to enhance collaboration with other high-impact teams, accelerating customer-facing changes.

Groupon Software Development Engineer (Intern)

Seattle, WA Jun. 2017 - Aug. 2017

- Collaborated with the Getaways team, contributing to full-stack development using a tech stack comprising JavaScript, CSS, Mustache, and HTML for the front end, and Node.js for the back-end.
- Employed A/B experimentation on the frontend, launching and maintaining it to improve user experience.
- Designed an event card interface that targeted specific markets and deployed it successfully, resulting in a 100% increase in event page clicks. Developed and implemented cutting-edge technologies to enhance user engagement.

Amazon Software Development Engineer (Intern)

Toronto, ON Jun. 2016 - Aug. 2016

- Designed and developed a full-stack internal portal for Amazon retail and vendor managers to streamline processes, automate workflows, and increase efficiency.
- Assumed complete ownership of a React-based front-end project, overseeing its design, development, testing, and deployment for optimal performance and user experience.
- Engaged with potential customers to understand their unique needs and requirements, designing and delivering a practical user interface that met their expectations and preferences.
- Leveraged internal Amazon tools and AWS to retrieve data and implement cutting-edge features, enabling users to work faster, smarter, and with greater ease.