


Leo Ji

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 <https://leoji.codes>

Summary

Full-stack developer with a passion for building high-quality, scalable, and performant web applications. Seasoned software engineer with over 5 years experience that spans React, Next.js, Node.js, Express.js, Django, and Docker, with a strong focus on human-centered design principles. When not coding, advocates for mental health and LGBTQ+ rights.

Experience

Software Engineer

Rhythm Energy

Sep 2021 - Feb 2023 (1 year 6 months)

Developed innovative customer-oriented features that reduced cost-to-serve, enhanced conversion rates, and enriched customer experience. Examples include utilizing React Router for seamless session resumption during interrupted sign-ups and incorporating expiring UUID links for effortless contract renewal authorization via email for thousands of clients.

Created advanced internal-facing functionalities in the company's React-based tools to refine sales targeting. This included empowering pricing and sales teams to categorize customers based on attributes and tailor specific contract renewal offers.

Promoted and implemented React best practices, refactoring existing code to address technical debt, particularly focusing on optimizing the `useEffect()` hook's operations and eliminating unnecessary effects.

Actively participated in team and department-wide discussions, exploring potential architectural solutions for new features and projects proposed by the business, such as devising data modeling and storage methods for event-driven records related to non-energy customer contracts.

Software Engineer

The Washington Post

Jul 2019 - Sep 2021 (2 years 3 months)

Developed and implemented Zeus Identity Solutions, a proxy-based identity enhancement data provider to boost web advertising CPMs by incorporating identity data into the advertising bidstream for customer websites.

Cooperated with application security teams to adopt and expand best practices and establish soft (documentation and code review processes) and hard (linting rules) policies to prevent logging, tracing, and other features that could unintentionally capture sensitive PII.

Engaged with stakeholders across various levels, including peer engineers, company VPs, client engineers, and client business leaders, to enhance understanding, encourage adoption, and refine implementation patterns for web advertising.

Designed, implemented, and managed Zeus Odyssey, an AWS SQS-based internal scaling tool for creating thousands of Google Ad Manager objects asynchronously at scale.

Ensured end-user confidence in the success of a critical onboarding step by eliminating manual work and reducing a 72-hour step to just 4 hours.

Utilized cutting-edge web delivery technologies, such as Puppeteer for static site rendering and WebP for image formatting, to further enhance existing front-end development work.



News Designer

The Washington Post

Sep 2018 - Dec 2018 (4 months)

Partnered with reporters, assignment, photo, video, and project editors to create captivating feature stories for both web and print publications.

Troubleshoot and resolved issues in internal swig and yaml tools used for article generation.

Crafted unique feature stories using Apple News Format, specifically for Apple News consumption.

Supported other divisions (Core Social, Snapchat Discover, etc.) by executing advanced tasks in Adobe Photoshop and Illustrator.

Education



Northwestern University

Bachelor of Science (B.Sc.), Journalism

2015 - 2019

With a minor in computer science, and a certificate in human-centered design from the Segal Design Institute at the McCormick School of Engineering.

Skills

Project Management • Google Workspace • Search Engine Optimization (SEO) • Python (Programming Language) • Amazon Web Services (AWS) • TypeScript • Teamwork • Django • Django REST Framework • JSON