Jan Lasota

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Summary

Frontend Software Engineer with 6 years of experience building scalable, user-friendly web and mobile applications. Passionate about integrating machine learning and AI techniques to create smarter, data-driven solutions. Seeking opportunities to deepen expertise in AI while contributing to innovative, real-world software products.

Education

THE CATHOLIC UNIVERSITY OF AMERICA Washington, D.C.
Bachelor of Science in Computer Science August 2014 – May 2018

- Relevant Coursework: Data Structures, Object-Oriented Programming with Java, Concepts of Programming Languages, Analysis of Algorithms, Theory of Computing, Database Management

Skills

Programming: Java, JavaScript, TypeScript
Technologies & Tools: React, React Native, Tailwind, Shadcn, GraphQL, Jest
Processes & Workflow: GitLab, Linear, JIRA
Languages: English (fluent), Polish (advanced)

Experience

TEAMWORKS Durham, NC
Senior Software Engineer January 2024 – Present
Software Engineer February 2022 – January 2024

- Develop front-end components and deliver complex features using React.
- Build front-end components for iOS/Android devices using React Native.
- Developed an enhanced WYSIWYG editor based on the Tiptap library and packaged it for shared use across our codebases.
- Build micro front-ends using module federation to streamline integration across multiple applications.
- Utilize Datadog to capture and monitor defects in real-time.
- Participate in sprint planning and retrospectives to track progress and improve team workflows.
- Carry tickets through the development lifecycle, from bug reporting to release testing.
- Contribute to developer meetings, sharing ideas and findings to continuously improve the codebase.

BLACK CAPE Arlington, VA
Technologist October 2020 – February 2022

- Developed front-end components and delivered complex features using React.
- Created detailed documentation in Confluence to streamline onboarding and assist developers.
- Participated in sprint planning and retrospectives to track progress and improve team workflows.
- Managed merge requests in GitLab and tracked issues using JIRA.

PYRAMID SYSTEMS Washington, D.C.
Software Engineer February 2019 – October 2020

- Implemented new features and maintained reliable, high-quality code using Java.
- Integrated and optimized components using the Oracle ADF framework.
- Enhanced codebase accessibility and compliance, improving usability for screen reader users.

Projects & Research

FOOD FAX (TypeScript, Vite, React, Tailwind, Shadcn, Recharts, Spoonacular API) July 2025 – Present

- Building a web app that visualizes nutrition data from user-generated inputs or the Spoonacular API. Developing with React, TypeScript, Tailwind, and Shadcn for a responsive UI, and using Recharts to display clear macro comparisons of calories, protein, fat, and carbs across selected foods.

CHEFFIN' UP (TypeScript, Expo, React Native, Nativewind, OpenAI API) April 2025 – Present

- Building a mobile app that generates custom recipes based on selected meal type and ingredients. Using a large dataset from Open Food Facts for ingredient selection and one of OpenAI's GPT models to generate detailed recipes. Developing with Expo, React Native, and Nativewind for functionality and styling.

MASSIVE MIMO POWER ALLOCATION IN MILLIMETER WAVE NETWORKS May 2018

- Designed an online reinforcement learning algorithm to optimize power allocation and transmission scheduling in millimeter wave massive multiple-input multiple-output systems by modeling the problem as a Markov Decision Process, minimizing overall queuing delay under dynamic, heterogeneous traffic and channel conditions without requiring prior knowledge of network states.

Activities

ASSOCIATION FOR COMPUTING MACHINERY (ACM) Washington, D.C.
Member September 2016 – May 2018

- Participated in coding activities and worked on fun projects to better overall technical knowledge.
- Attended biweekly planning meetings to review progress and plan next tasks.

CATHOLIC UNIVERSITY MEN'S TENNIS TEAM Washington, D.C.
Starter August 2014 – May 2018

- Committed 15-20 hours per week to training and competing.
- Highlights: Team MVP 2016-17 & 2017-18, Team MIP 2015-16, Academic All-American 2017-18, 3x Athlete of the Week, 2x Second-Team All-Conference Singles, 1x First-Team All-Conference Singles, 1x Second-Team All-Conference Doubles