

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

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN
Master of Computer Science

Champaign, IL
January 2026 – In progress

THE CATHOLIC UNIVERSITY OF AMERICA
Bachelor of Science in Computer Science

Washington, D.C.
August 2014 – May 2018

Skills

Programming: JavaScript, TypeScript, Java, Python

Technologies & Tools: React, React Native, Tailwind, Shadcn, Jest, GraphQL, Figma

Processes & Workflow: GitLab, Linear, JIRA

Languages: English (fluent), Polish (advanced)

Experience

TEAMWORKS

Senior Software Engineer
Software Engineer

Durham, NC
January 2024 – Present
February 2022 – January 2024

- Develop front-end components and deliver complex features across web and mobile using React and React Native.
- Build out the design system to ensure consistent, reusable UI components across multiple applications.
- Translate Figma designs into responsive, functional code, collaborating with designers to bring UI/UX concepts to life.
- Developed an enhanced WYSIWYG editor based on the Tiptap library and packaged it for shared use across our codebases.
- Implement micro front-ends using module federation to streamline integration across multiple applications.
- Utilize Datadog to monitor defects and capture real-time performance issues.
- Participate in planning, manage tickets through the development lifecycle, and collaborate with the team to improve workflows.
- Contribute to developer meetings, sharing insights and solutions to continuously improve the codebase.

BLACK CAPE
Technologist

Arlington, VA
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
Software Engineer

Washington, D.C.
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 – In progress

- 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 – In progress

- 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