

Jacob Cameron

Lead Frontend Engineer

me@opaquejacob.com

Medford, MA

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Skills

Frontend & UI

JavaScript, TypeScript, React, Next.js, Solid.js, TanStack Start, Tailwind CSS, CSS-in-JS, HTML5, CSS3, Figma, Accessibility (a11y), i18n, Lottie, Three.js

Backend & APIs

Node.js, Express, Docker, Microservices, REST, GraphQL, Server-Sent Events (SSE), Java

AI & ML

Claude, Multi-agent orchestration, Prompt engineering, Neural networks, KNN, Clustering

DevOps & Cloud

AWS, GCP, Azure, GitHub Actions, CircleCI, Vercel, CI/CD pipelines

Databases & CMS

Prisma, SQL, NoSQL, Contentful CMS

Security & Auth

OAuth2, OIDC, SSO, JWT, 2FA, TLS

Cryptography

AES, RSA, PKI

Testing & Tools

Cypress, React Testing Library, Jest, Git, ESLint, Cursor, Chromium

Design & Multimedia

Photoshop, Illustrator, Premiere Pro, After Effects, Audition, Blender

Experience

Pickle Robot Company — Cambridge, MA | Charlestown, MA
Lead Frontend Engineer — January 2024 – Present

- **Rearchitected and rewrote** the primary robot control interface from scratch using Next.js, significantly reducing latency and delivering a highly responsive, intuitive user experience
- **Accelerated feature delivery** by integrating AI-driven development workflows, leveraging Cursor and multi-agent orchestration (Claude & Gemini) to optimize code generation
- **Designed and built** a real-time performance monitoring dashboard showcased live at Modex 2024, ProMat 2025, and Modex 2026
- **Collaborated closely** with product designers and backend robotics teams to bridge hardware capabilities with seamless, accessible operator interfaces

Davis School District — Farmington, UT | Syracuse, UT
Computer Science Teacher — August 2022 – November 2023

- **Designed and delivered** comprehensive curricula in computer science, cybersecurity, and game development, teaching and mentoring hundreds of students across all skill levels

Oops Technologies — Remote
Senior Frontend Engineer — May 2022 – October 2022

- **Owned and architected** the core web application from the ground up using Next.js, ensuring performance, responsiveness, and clean component separation
- **Engineered and maintained** business-critical internal tools and utility applications to support administrative and operational workflows

Vendrive — Boston, MA
Lead Frontend Engineer — April 2021 – April 2022

- **Led frontend development** as the sole engineer, owning the architecture, deployment, and maintenance of the core web platform using Next.js
- **Designed and built** a proprietary React component library to ensure visual consistency, performance, and UI scalability across the application

Lucid — Remote
Senior Frontend Engineer — June 2020 – February 2021

- **Developed and optimized** highly performant, accessible marketing and marketing-adjacent web properties using React and Gatsby

Nintendo of America — Redmond, WA
Software Engineer — January 2020 – June 2020

- **Engineered and optimized** AWS Lambda functions and Athena scripts to process data within payment accounting pipelines
- **Created reusable React components** for internal administration tools, standardizing UI patterns and improving ease of use

Amazon — Seattle, WA | Sandy, UT | Lehi, UT
Software Development Engineer — May 2018 – January 2020

- **Managed and maintained** frontends and backend services for the Amazon Translation Management System (ATMS), supporting 100+ repositories and dozens of active CI/CD pipelines
- **Developed, tested, and deployed** highly scalable frontend features using React, while establishing comprehensive system monitoring via metrics and automated alarms
- **Built and deployed** key user-facing features for the Amazon Now and Amazon Pantry programs using Java and AWS

Education

BYU — Bachelor of Science in Computer Science • 3.68 GPA
Music minor — August 2014 – April 2018