Bob Obringer

Web Product Engineer

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I'm a web product engineer with over 25 years of experience crafting sophisticated web applications. My expertise lies in front-end development, but I'm well-versed throughout the stack.

I've witnessed the evolution of the web firsthand, from the early days, when HTML, CSS, and JavaScript formed the foundation, to the emergence of powerful new technologies like TypeScript, NextJS, Tailwind, and LLMs.

By staying at the forefront of the ever-evolving technological landscape, I find joy in building user interfaces that seamlessly blend form and function, creating engaging and captivating experiences.

As a startup veteran, I'm excited to combine my passion for entrepreneurial innovation with my growing interest in AI. I'm eager to leverage my skills and experience to build cutting-edge products that push the boundaries of what's possible.

Languages
TypeScript, JavaScript, Java

Frontend
NextJS, React, React Server Components

Backend
Node.js, Cloudflare Workers

Libraries
React Query, Zod, Jotai

AI
Vercel AI, OpenAI, Anthropic

Data
MySQL, Postgres, DrizzleORM, Redis

Styling / Components
Tailwind, React Aria, RadixUI, Storybook, Figma

DevOps / Infra
TurboRepo, Vercel

web3
Ponder, Privy, Ethereum, viem, Ethers.js

Testing / Quality
Jest, Playwright

The chatbot at bob.obringer.net has a more complete view of my skills and experience

Sona

Senior Engineer / Architect, Head of Engineering

- Responsible for web application architecture and engineering project management

- Migrated streaming music app from client rendered pages to the NextJS App Router, using React Server Components and Server Actions

- Built Sona Vibe Search, an AI backed music discovery service, allowing users to find new music using natural language in both the web app and a Raycast extension

- Built Sona Search, allowing users to search millions of songs, artists, albums, playlists and users and receive results in milliseconds in both the web app and Raycast extension

- Built Design System with Tailwind and a mix of RadixUI and React Aria

- On the front end, built many of Sona's web3 features, including wallets, smart contract integration, and reserve auctions, and on the back end, handled blockchain indexing.

- Created transactional e-mail system to automate the creation and sending of rich React and Tailwind based e-mails from any Sona application

- Built custom Redis data caching mechanism to replace the built in NextJS cache

- Created image processing library and corresponding image optimization component which handled device optimization, cropping, inline blurred placeholders, thumbnails, etc.

Nifty's

Principal Front End Engineer

- Responsible for new front end architecture for niftys.com

- Built new multi chain abstractions, making web3 feel like web2 for engineers

- Architected new community focused section of the website, allowing communities and brands to create their own experiences for their members and fans

- Architected new application engine which will allow communities to design and create their own "apps" by piecing together various mechanics around NFTs

- Integrated payment processing and crypto onramps with Stripe, Wyre, and Moonpay

- Built new universal optimized image and video media component

GRUBHUB

Staff Engineer

- Lead early development of next generation front end architecture for grubhub.com

- Developed tools to help migrate grubhub.com from Preact to React

- Redesigned release process to support daily releases

- Streamlined end to end testing and analysis

- As part of new cross organization front end platform team, developed standard libraries to be used by all web teams and applications

JET.COM (WALMART LABS)

Senior Engineer / Architect

- Lead experimental performance focused rearchitecture of Jet product page, cutting both "first paint" and "time to interactive" by almost 90%

- Helped architect specialized "department" stores for Jet 2.0

- Added full WAI-ARIA Accessibility functionality for global site navigation

- Migrated significant portions of the site from legacy CMS to new Walmart CMS

- Responsible for tracking down memory leaks and other server side performance issues as we completed the transition to Next.js

- Ensure full PCI Compliance for the checkout flow

NATIONAL HOCKEY LEAGUE

Senior Engineer

- Developed custom UI framework that provided a foundation for new applications, including components, theming and a universal API

- Built CI/CD pipeline including source management, security auditing, version bumping, etc.

- Developed suite of fully responsive applications to manage officials, including scheduling, reporting, injuries, etc.

- Developed mobile roster management application for GMs

- Developed application to manage and report on all league marketing spending

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Morgan Stanley Wealth Management

Senior Engineer

- Developed reporting systems for high net worth clients, included components to allow advisers to visit with clients and interact directly with reports, research, and account information on tablets or laptops

- Modernized and redesigned project structure to encourage better decoupling of components, provide better scalability, and make it easier to maintain and enhance

- Worked with team developing REST API to standardize on a custom protocol to work well with our UI framework

National Hockey League

Senior Engineer / Architect

- Designed and managed the development of league intranet, consolidating all applications in a single, consistent interface

- Developed authentication and user administration system using a combination of Domino Directory, Microsoft Active Directory and MySQL to provide league employees, team employees and external partners with a single sign in for both new and legacy applications

- Managed migration of several applications from Lotus Notes to new ExtJS/Java environment, including Media Game Notes, Amateur Scouting, HR Systems, Team Finance and Analytics, Brand Asset Management and various other applications

- Developed framework to automatically generate views and data stores from Lotus Notes views, enabling the league to quickly deliver web based front ends to legacy Lotus Notes applications

- Developed REST based framework and API that included support for filtering, sorting, paging and all other options required by front end data store functionality

Globecon

Senior Engineer, System Administrator, Tech Team Lead

- Lead a team of four in development of a financial learning management system

- Designed advanced menu system customized for the training needs for each client

- Designed and developed system to automatically generate nightly Excel reports for each client

- Administered Windows NT and Domino for approximately 15 partitioned domino servers

- Administered network including DNS, Firewall and user management

- Responsible for developing all internal applications

JPMorgan Chase

Engineer

- Designed and developed the web based intranet for the derivatives group

- Designed and developed web based front end for the base metals trading group in coordination with the middleware and back end development teams (Lotus Notes and Domino, JavaScript, HTML, CSS)

- Designed and developed system for senior management to submit, discuss, review and approve new financial products

- Maintained approximately 35 operational applications for the wholesale bank

Broadview

Senior Developer, Administrator, Team Lead

- Maintained various applications used to collect and analyze data on thousands of telecommunications, media and internet companies to assist in advising clients and structuring mergers and acquisitions

- Created process to automate presentation generation for M&A proposals

- Implemented a new, independent domain for a new venture capital group and migrated all users and applications to the new environment

- Supervised a junior developer and junior administrator

Bestfoods

Developer, Administrator

- Developed and maintained all internal web based applications for 4,000 users across the company

- Developed back office inventory system

- Trained end users on the use of Lotus Notes as we introduced it for mail, calendaring and applications

- Implemented mail, calendaring at a new joint venture between Bestfoods and Betty Crocker

Prudential HealthCare

Systems Analyst, Developer, Health Claims Processor

- As a teenager, spent three years processing health and dental insurance claims before moving to engineering to work on the claims systems

- Worked as a liaison between business units and programming staff to specify changes and enhancements to the claims systems

- Developed test plans and performed quality assurance for those changes

- Developed reports detailing production and quality of 48 claims offices throughout the United States, used to assist in analysis during consolidation of offices to 4 regional centers

- Worked with Oracle, Netscape, Sun Microsystems and a team of four analysts in development of the healthcare insurance industry's first web based benefits management system

- Worked closely with clients such as Cincinnati Bell, Johnson and Johnson, and PSE&G to analyze methods for integrating our platform with their internal systems