

Beau Davenport

Staff Software Engineer

Over 10 years of experience building software for web and mobile, specializing in full-stack development, data modeling and analytics, agile support for teams, and cross-functional collaboration

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Summary

I am a seasoned staff software engineer with a strong track record of leveraging modern frameworks, including GenAI, and cloud architecture to develop innovative solutions. Known for driving projects from conception to successful implementation, I excel in fostering collaboration across teams and organizations to achieve impactful results. I'm also adept at working with legacy code and making iterative, strategic enhancements. My expertise in data-driven decision-making ensures that solutions are not only technically sound but also aligned with business objectives, contributing to the overall success of the organizations in which I work.

Professional Experience

Staff Full-Stack Software Engineer

BetterUp • Oct 2021 - Feb 2024

BetterUp Manage

- Built, launched, and maintained a new product in the BetterUp catalog to provide on-demand professional development support to managers, expanding our customer market and building new business with existing partners
- Built and integrated backend services in Ruby-on-Rails to orchestrate multi-surface Manage experience
- Introduced new domain models, lifecycle events, email campaigns
- Built Ember-based, data-driven frontend dashboards, onboarding experiences, messaging, and more
- Guided team in architectural decisions and tradeoff analysis
- Coordinated with cross-functional teams of designers, product managers, analytics engineers, and leadership stakeholders to help build product requirements, cascade decisions, break down and delegate work
- Tested thoroughly with end-to-end system specs, integration tests, and unit tests both frontend and backend
- Incorporated system/performance monitoring using DataDog; aggregated user analytics with Segment, Amplitude, and Looker
- Mentored junior engineers, wrote documentation and learning memos to support other engineers and partners
- Supported and documented data-driven decisions via OKRs to prioritize, estimate, and delegate work
- Incorporated GenAI with conversational analytics and personalized chat support for members

Staff-level Organizational Support:

- Participated in frontend and backend guild initiatives and meetings
- Interviewed candidates
- Served on On-Call engineering rounds
- Introduced various RFC's for engineering team initiatives across the organization

Lead Full-Stack Software Engineer

World Wide Technology • Apr 2015 - Oct 2021

Schnucks Grocery Mobile App

- Built, launched, and maintained a React-Native-based grocery rewards program app with 4.0+ ratings with thousands of daily users
- Integrated analytics, custom native modules, performance improvements, accessibility, as well as best practices in React and Redux at the team level

- Utilized Jenkins, Postman, and Firebase for continuous integration, health monitoring, messaging
- Deployment experience in both the Apple AppStore and Google PlayStore

Financial Client Management Suite

- Spearheaded the early adoption of React and helped coach other teams on how to incorporate it
- Built and maintained REST-based .NET Web APIs with React-based frontends, microservice integration and data management at enterprise scale
- Worked on organization-wide migration to Docker, .NET Core and AWS for public-facing product development.
- Leveraged Jenkins for continuous integration and testing automation.

Security Guidelines Documentation:

- Participated as a committee member and author of a security best practices effort in the Web/Javascript practice, with guidance documentation provided to the company at large.

Lead Interviewing:

- Conducted interviews, trained other interviewers, and helped maintain documentation and guidance for screening and interviewing while helping guide the interviewing practice for the organization

Full-Stack Software Engineer

(Freelance Work) • Oct 2013 - Present

Professional Astrology Blog/E-Commerce

- Built fast, reliable SSG-based platform leveraging Gatsby, Netlify CMS, and Snipcart for a content-management system with dynamic blog and educational content in React
- Incorporated best practices for accessibility, mobile-responsiveness, SEO

Inventory Management App

- Created a management tool for commercial inventory, allowing daily recording and calculation
- Built with Backbone for the frontend and an Express.js on the backend

Technical Proficiencies

Frameworks and Languages: Javascript, React, React-Native, Redux, Node, Express, Ruby on Rails, Ember, Ember-Data, Sidekiq, Segment, Amplitude, JSON+API, Kubernetes, .NET, .NET Core, AWS, Docker, Gatsby, Netlify, GraphQL, REST, Responsive Design, Gitlab, Github, Jenkins, Rails Admin, XCode

Testing Tools: Jest, Enzyme, Mocha, Nightmare, Selenium, Detox, Postman, RSpec, FactoryGirl, Capybara

Practices and Skills: Interviewing, Documentation, Technical Diagrams, Client Demos, Security, Authentication, Mentorship, Accessibility, Web Standards, Test-driven Development, RFC's, Site Reliability/Support work, Heroku and AWS deployment, Papertrail and Datadog monitoring and debugging

Education

Certificate, Harvardx CS50x, Harvard/MIT's Edx online courses, 2014
Curriculum emphasis in computer science fundamentals

Bachelor's Degree in Liberal Studies, University of Missouri St. Louis, 2006 - 2010
Curriculum emphasis in Cultural Anthropology and Spanish, Conservation Biology, Political Science, Chinese