Zachary Wagner

Staff Software Engineer · Chicago, IL

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Staff Software Engineer with 14 years of experience building web applications in JavaScript, TypeScript and React. Consulted for Fortune 500 companies, ran engineering at an early-stage startup, and now dev lead for the team building iManage's new knowledge search and management product. Focused on accessible component systems, frontend architecture, and helping engineers do their best work.

EXPERIENCE

Staff Software Engineer · iManage

May 2023 – Present

Dev lead for the team building iManage's new knowledge search and management product, and lead for the React ICE component library.

- Lead development of the React ICE component library and its accessibility work, bringing shared components in line with industry accessibility standards.
- Introduced PR best practices and GitHub Actions automation for PR labeling, raising review quality and accountability across the team.
- Mentor junior engineers and run onboarding for new hires.
- Conducted 15+ technical interviews for engineering hires.

React · Next.js · Jest · TypeScript · GraphQL · GitHub Actions

Director of Engineering · Dibz

Mar 2022 – Apr 2023

Led engineering at an early-stage startup: owned infrastructure across multiple applications and environments and managed a team of 3 engineers.

- Cut development time 30% across 4 projects by tightening timelines and requirements with cross-functional partners.
- Improved platform efficiency 90% and reduced infrastructure costs 50% through targeted performance and cost optimization.
- Architected scalable GraphQL APIs and React front-end systems, improving reliability for users and the team.
- Set engineering standards for TypeScript and testing with Jest and React Testing Library.

React · Next.js · TypeScript · Node.js · NestJS · GraphQL · PostgreSQL · AWS (EC2, RDS, Amplify, SQS) · Shopify API · Stripe · Twilio · Jest

Senior Software Engineer · Rippleshot

Sep 2019 – Feb 2022

Built a new React web application to replace a legacy Angular / Ruby on Rails app.

- Cut feature and release testing time 75% by introducing end-to-end testing with Ghost Inspector.
- Reduced error discovery and triage time 90% by adding error monitoring to both the legacy and new apps.
- Instrumented analytics and heatmapping across 100% of core product functionality, enabling faster, data-driven product decisions.
- Kept the legacy Angular / Rails app running while scaffolding the new React front-end infrastructure.

React · Material UI · React Query · Mapbox · Vite · Jest · React Testing Library · Ruby on Rails · AWS (S3, CloudFront, Cognito) · Segment

Engineer II · SpotHero

Dec 2016 – Aug 2019

Built customer-facing and internal React SPAs, plus Python/Django REST APIs for web and mobile clients.

- Built and launched a React SPA for business admins and travel managers to manage employee parking expenses, employees and payment methods.
- Single-handedly built a React SPA that replaced an outdated, hard-to-navigate dashboard for customer service reps.
- Built RESTful endpoints with Python, Django and Django REST Framework, and wrote and maintained Cypress end-to-end tests.

React · Redux · React Router · Sass · Webpack · Cypress · Python · Django · Django REST Framework

Senior Software Engineer · Slalom

Dec 2012 – Dec 2016

Consultant delivering web applications for clients in telecom, health insurance, retail and networking. Promoted to Senior Software Engineer in 2016.

- Built a responsive self-service portal for a communications company's small business customers to manage products, bills, contacts, voicemail and call logs.
- Delivered a new digital experience for a health insurance client, giving members one view of their current and historical coverage.

AngularJS · JavaScript · Node.js · Express · Java · Spring · Bootstrap · Karma · Jasmine

SKILLS

Frontend	React, TypeScript, JavaScript, Next.js, Accessibility, Component libraries, React Query, Redux, Material UI, HTML & CSS
Testing & quality	Jest, React Testing Library, Cypress, Ghost Inspector, GitHub Actions, Error monitoring
Backend & data	Node.js, NestJS, Express, GraphQL, PostgreSQL, Ruby on Rails, Python / Django
Cloud & tooling	AWS, Heroku, Vite, Webpack, Segment
Leadership	Technical leadership, Solution architecture, Mentoring & onboarding, Technical interviewing, Cross-functional planning

SIDE PROJECTS

testcafe-reporter-slack-custom — A plugin for TestCafe test runs to output results to Slack

covid19-dashboard — Predictive model dashboard for Covid-19

create-react-parcel — A simple React + Parcel CLI

EDUCATION

Illinois Institute of Technology · Bachelor of Science, Information Technology and Web Design, 2012