KEVIN WATHEN

FULL STACK DEVELOPER - REACTJS / REACT NATIVE, NODEJS, PYTHON

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Summary

13 years of experience designing and delivering **high-performance web applications** with a focus on **scalability, UX optimization,** and **agile execution.**

- **Technical Leadership**: Spearheaded end-to-end project delivery—from architecture to deployment - for diverse applications, collaborating with **cross-functional teams** and stakeholders.
- **Full-Stack Expertise**: Deep proficiency in **React.js**, **TypeScript**, **Node.js**, and **Python**, with a strong balance between **backend robustness** and **frontend performance**.
- **Agile & Independent**: Proven ability to **lead projects independently**, adapt to shifting priorities, and deliver solutions under tight deadlines while maintaining **clear client communication**.
- **Performance-Driven**: Optimized **user experience (UX)** and technical architecture to drive measurable improvements in application speed, reliability, and maintainability.

Key Skills: React.js, TypeScript, Node.js, Python, Agile Development, Technical Architecture, UX Optimization, Cross-Functional Collaboration

Experience

FULL STACK DEVELOPER (REACTJS, PYTHON)

Groundswell   06/2021 - 03/2025

Technologies: ReactJS, Redux, TypeScript, Next.js, Node.js, Express.js, Python, Django, Unit Test, Jest, Playwright, pytest, AWS, SonarQube, Storybook, Tailwind CSS, HTML5, CSS3, RESTful APIs

- Led the development of a **Fintech dashboard** (React/TypeScript + Node.js), enabling real-time analytics for **10K+ users** and reducing **API latency** by **35%.**
- **Enhanced platform scalability** for a **high-traffic client**, enabling seamless handling of **10,000+ concurrent users** during peak sales events.
- **Pioneered AI-driven features** by integrating **OpenAI APIs** to power automated customer support, personalized recommendations, and dynamic chatbots - boosting user engagement by **40%.**
- **Established development best practices** through rigorous code reviews, CI/CD pipelines, and Agile sprints.
- Developed an **interactive learning platform** with AI-powered tutoring features, increasing student retention by **40%**.

FULL STACK DEVELOPER (REACTJS, PYTHON)

Pypestream   03/2018 - 05/2021

Technologies: React.js, Next.js, Mobx, XState, RxJS, TypeScript, React-Flow, Lit, Shoelace, Storybook, GraphQL, Apollo Client, MongoDB, Kubernetes, GitHub Actions, Datadog, Sentry, Cypress, Percy, JSON, LaunchDarkly, Yup, Vite, EsLint, Prettier, i18n, Agile, HTML5, OpenAI

- **Developed AI Chatbots**: Engineered AI chatbots that provide a seamless, app-like experience, enhancing customer satisfaction and driving adoption through intuitive self-service conversations.
- **Advanced Microapps**: Contributed to the creation of sophisticated microapps that preempt the need for agent handoffs by delivering real-time resolutions, effectively supporting customers at every stage of their journey.
- **Optimized React performance:** Reduced re-renders (React.memo, useMemo), code-splitting, lazy-loading.
- **CI/CD Implementation**: Partnered with the DevOps team to implement continuous integration and continuous delivery (CI/CD) practices, cutting software release times by 50% and reducing production issues by 30%.
- **Automated Testing**: Deployed automated testing platforms and unit tests using Jest, Cypress, and Percy, resulting in a 40% reduction in bugs and a significant improvement in overall code quality.

React Front End Developer

SpinSci Technologies   07/2015 - 02/2018

Technologies: React.js, Redux, TypeScript, Formik, Yup, Unit Test, Jest, Cypress, Ant-Design, Storybook, Mirth Connect, PostgreSQL, JSON, AWS Lambda, Amazon EC2, AWS Amplify, HL7 Standards, TailwindCSS

- **Developed Scheduling System**: Created a scheduling system that allows patients to effortlessly book appointments via voice, text, or chat, supporting both Direct and Open schedules.
- **Implemented real-time payment processing system**: Designed a billing system that enables patients to make payments conveniently through voice or chat, with automatic reconciliation in the EHR.
- **Streamlined Patient Registration**: Simplified the registration process for both new and existing patients using voice, text, or chat.
- **Enhanced Patient Engagement**: Collaborated with the Patient Engagement team to empower patients with self-service operations, enabling them to manage their healthcare workflows independently.
- **Mentorship and Coaching**: Mentored and coached junior developers, leading to a 10% improvement in team satisfaction scores and a 15% increase in overall team productivity.

Experience

SOFTWARE ENGINEER

TeraThink Corporation   02/2012 - 06/2015

- **Responsive web design**: As a freelancer, developed responsive, user-friendly web interfaces that enhanced user experience across multiple devices, leveraging the latest front-end technologies to meet client requirements and deliver engaging solutions.
- **API Integration and Development**: Developed and integrated custom APIs for client applications, ensuring seamless communication between front-end and back-end systems.
- **Orchestrated inter-departmental meetings** with UX designers and back-end developers to align project objectives; streamlined workflows that reduced project delivery time by 15 days and increased team productivity by 20%.

Projects

Aware Healthcare

Location

Date period

Aware Healthcare is a smaller, AI-driven startup focused on **real-time hospital operations optimization**. Their mission is to reduce operational waste using predictive analytics and closed-loop automation.

As a Full Stack Developer,

- Developed React/Typescript dashboards showing **real-time patient flow metrics**
- Focused on **data visualization** (D3.js or similar) to turn predictive analytics into actionable insights.
- Implemented **behavioral nudges** (e.g., pop-up alerts for delayed discharges) to drive staff adoption.
- Built Python (Django) APIs to serve predictions (e.g., "bed-ready timelines") to frontend.
- Integrated with **EHRs like Epic/Cerner.**
- Used Lambda to process real-time HL7 messages from hospital ADT feeds.

Technologies: React, TypeScript, Python, Django, AWS Lambda, Step Functions, S3, API Gateway

Core Features

- Real-time **bed management** with auto-assignment
- Predictive **discharge timing** alerts
- Staff-facing **task prioritization** dashboards

Skills

Languages & Scripts: JavaScript, HTML5, CSS3, TypeScript, SQL, Bootstrap, Python, HTML

Front-end Development: React.js, React Native, Next.js, MUI, Tailwind CSS, Storybook, Gatsby, Preact, Svelte, Ember.js, D3, OpenAI

Back-end Development:

Node.js, Nest.js, Django, REST, GraphQL, RESTful APIs, Mongoose, Sequelize, TypeORM, Prisma, AWS, Flask, FastAPI, Java, Spring Boot, Swagger, OpenAI

Test-Driven Development: Jest, Enzyme, React-Testing, Cypress, Playwright, Mocha, Chai, unittest, pytest, Jenkins, CircleCI, GitHub Actions

Database Technologies: MySQL, PostgreSQL, MongoDB, SQLite, Redis, Elasticsearch

Debugging & Monitoring:

SonarQube, Sentry, Datadog, Redux Dev Tools, PDB, Git, SEO, Object Oriented Programming, Gulp, Functional Programming, Webpack, Asynchronous Programming

Soft Skills:

Communication, Problem-Solving, Teamwork, Time Management, Attention to Detail, Continuous Learning, Critical Thinking, Adaptability, Creativity

Education

Holy Names University   Oakland, CA

Bachelor's Degree in Information Technology   2007 - 2011

Strengths

⭐ **Problem-solving Skills**
Proven ability to troubleshoot and resolve complex technical issues, ensuring smooth and efficient application performance.

🏳 **Team Collaboration**
Strong team player with effective communication skills, capable of collaborating with cross-functional teams to achieve project goals.

🎧 **Performance Optimization**
Experience in optimizing application performance through code refactoring, load balancing, and efficient database queries.

Key Achievements

💎 **Advanced NextJS Development**
Focused on server-side rendering and static generation techniques, provided by Coursera.

💎 **React and Modern JavaScript**
Covers hooks, contexts, and advanced components, offered by Udemy

💎 **Improved Application Performance**
Optimized a legacy application, reducing page load time by **40%** through code refactoring and better API management.

💎 **Enhanced Data Insights**
Developed interactive **data visualization** dashboards using D3.js and Charts.js, enabling real-time insights for business stakeholders and reducing data analysis time by 30%

💎 **OpenAI Experience**
Built AI-powered chatbots using **OpenAI's** GPT models to provide real-time, automated customer support, reducing response time by 50%.

💎 **Mapbox Centric Apps**
Built a location-based app using **Mapbox** for real-time geospatial data visualization and custom map functionalities, enhancing user experience and boosting engagement by 20%.