Kevin Riehl
Intermediate Software Engineer

Intermediate Software Engineer with 5+ years of experience architecting full-stack applications using React, Node.js (Hapi), and SQL. Expertise includes modernizing legacy codebases, implementing rigorous testing standards, and leading frontend architecture improvements. passionate about leveraging modern tools like ShadCN and Docker to streamline development workflows.

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TECHNICAL SKILLS

Languages
TypeScript, JavaScript (ES6+), Python, SQL, Rust, PHP, Bash/Shell

Backend & Real-Time
Node.js, Hapi.js, NestJS, WebRTC, Socket.io/WebSockets, RESTful APIs

Concepts
Data Structures & Algorithms, Agile/Scrum, OOP, Test Driven Development (TDD)

Frontend
React, Redux, Zustand, Tailwind CSS, ShadCN, PWA

Tools & DevOps
Docker, Git, Linux, VS Code, CI/CD

WORK EXPERIENCE

Intermediate Software Engineer
Chenega Agile Real-Time Solutions

07/2025 - Present

Achievements/Tasks

- Architected a secure telehealth video conferencing application using React and WebRTC, designing the core signaling class to manage complex peer-to-peer connections (SDP offers/answers) and media stream constraints.
- Implemented Google MediaPipe to develop a real-time gesture recognition feature, enabling accessibility for speech-impaired users by translating hand signs (e.g., thumbs up) into animated in-chat reactions.
- Engineered adaptive network logic that monitors packet loss in real-time and dynamically adjusts video stream quality, ensuring connection stability and optimal user experience during bandwidth fluctuations.

Intermediate Software Engineer
Semper Valens Solutions

02/2024 - 06/2025

Achievements/Tasks

- Championed the adoption of ShadCN by conducting a live technical demonstration on the team's starter template, proving the framework's ability to accelerate development velocity and ensure UI consistency across projects.
- Developed a Web Bluetooth interface for a biometric monitoring proof-of-concept, enabling real-time data ingestion and aggregation from multiple wearable sensors (accelerometers and smartwatches) for sleep analysis.
- Supported the engineering team's migration to containerized workflows by configuring, testing, and troubleshooting custom Docker environments, ensuring consistent application behavior across development and production.

WORK EXPERIENCE

Software Engineer
BlueWater Federal Solutions

04/2021 - 02/2024   *JBLM, WA*
BlueWater Federal Solutions is a trusted Government IT solutions provider, working together with several branches of the government.
Achievements/Tasks
- Architected and built a comprehensive data analytics search engine using React and Hapi.js (TypeScript), enabling users to filter complex event datasets by location, type, and date for real-time analysis.
- Facilitated successful production releases by managing SQL database migration scripts and executing rigorous regression testing to ensure critical features remained stable during updates.
- Supported engineering team growth by conducting code reviews and leading the onboarding process for new developers, ensuring smooth knowledge transfer and adherence to coding standards.

Software Engineer
Insight Global

10/2020 - 04/2021   *JBLM, WA*
Staffing company dedicated to empowering people.
Achievements/Tasks
- Refactored legacy PHP endpoints into a robust Hapi.js architecture, aligning the project with modern JavaScript standards and improving API response times .
- Executed a critical database migration from MySQL to MSSQL, ensuring data integrity during the transfer and optimizing schema definitions for the new environment .

EDUCATION

Bachelor's Degree in Software Development
Green River College

06/2017   *Auburn, WA*
Courses
- Data Structures & Algorithms (Java).
- Agile Software Development (Scrum).
- Design Patterns & Practices (Java).
- Software Maintenance.