

Rich Kevan

Software Engineer, Backend

Leader, Learner, Liaison: Solving Problems, Delivering Results

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SUMMARY

Versatile software engineer proficient in Node and Typescript with a penchant for solving problems and architecting backend solutions. I work best when collaborating with my team to solve challenging problems. I believe being able to communicate clearly strengthens collaboration between technical and non-technical teams. In my previous role, I implemented a scalable IAM server to centralize authentication, significantly improving backend efficiency. I pursue learning with passion and eager to share knowledge creatively within my team.

WORK EXPERIENCE

Instant Teams Remote 2022-2024	Full Stack Engineer <ul style="list-style-type: none">Built a robust Node.js/TypeScript OAuth2/IAM server within a Firebase architecture, designed to scale seamlessly with user growth while maintaining rigorous security standards.Led ongoing development of a resilient OAuth2/IAM server (supporting 40k+ users), driving strategic decisions to ensure scalability, security, and product alignment.Built a scalable navigation component in TypeScript for the talent marketplace rebuild (v3.0), utilizing custom classes and recursive types for flexible growth.Optimized PostgreSQL queries for complex Node.js functions (40k+ user records), integrating Redis caching for a 20% performance improvement.Developed API endpoints (Node.js/Express/TypeScript) for a GCP/Firebase OAuth2/IAM server (40k+ users), integrating secure authentication across diverse platforms.
Bayside IT Department Remote Granite Bay 2021-2021	Application Engineer <ul style="list-style-type: none">Optimized PostgreSQL queries for a high-volume dataset, streamlining critical reporting logic and achieving up to 2x faster response times for enhanced system responsiveness.Crafted custom SQL queries in PostgreSQL to deliver financial giving and attendance metrics, empowering data-driven decision-making for strategic event planning and resource allocation.Built a scalable C#.NET backend with PostgreSQL for custom reporting and attendance tracking, enabling decision-making across 5 locations with complex data relationships.Eliminated complete system failures within an attendance tracking system, addressing data consistency and logic errors to increase reliability by over 85%.
Adults/Singles Remote Granite Bay 2017-2021	Web Developer <ul style="list-style-type: none">Developed a URL shortening API using Node.js/Express to track click-through rates and source data, providing actionable marketing analytics.Solved live streaming compatibility issues by integrating a JavaScript-based RTMP video player, expanding content accessibility and viewership for a large audience.Optimized video data distribution with a multi stream workflow using the Mux API, tripling potential viewership and significantly increasing content accessibility.

SKILLS

SQL(Postgres)	AWS
NoSQL(MongoDB)	Docker
Node	Load Balancing
Typescript	Basic Networking

EDUCATION

**Western
Governors
University**
2020-2024

Coursework towards Bachelors of Science - Computer Science

Kenzie Academy
2020-2021

Certificate - Full Stack Web Development

CERTIFICATIONS

FreeCodeCamp

- Certification, JavaScript Algorithms and Data Structures
- Certification, Responsive Web Design
- Certification, Back End Development and APIs
- Certification, Front End Libraries
- Certification, Data Visualization
- Certification, Foundational C#

VOLUNTEERING

Software Engineering mentor for a FIRST Robotics Competition (FRC) team

First Robotics Competition Team 6918: Napa High School Cellar Rats

Serve as a Software Engineering Mentor for an FRC Robotics Team. Helping High School students plan, program, test, tune, operate, and upgrade an FRC competition robot