
Yazan Kittaneh

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PROFESSIONAL EXPERIENCE

TechMade Co.

January 2021 - Present

Senior Full Stack Developer

Chicago, IL

- **Team Leadership:** Led a 4-person development team to create and launch a successful NFT trading platform, attracting 60,000 users within two months and securing \$400k in additional funding.
- **Application Architecture:** Spearheaded the refactoring of a monolithic React and .NET application into a decoupled Next.js app. Compute heavy operations are handed off to a self-hosted Node/Express server to achieve load time improvements of 200ms, a 10x decrease in application crashes, and allowed expansion of caching and memory strategies.
- **Infrastructure Optimization:** Successfully migrated hosting infrastructure from AWS EC instances to Vercel serverless hosting, achieving a 30% reduction in monthly operational expenses.
- **Architecture Leadership:** Led the redesign of a 5-year-old React application, transitioning from legacy Redux to Redux Toolkit and from class to functional components, resulting in a 50% reduction in bug reports and improved development experience.
- **Microservices Architecture:** Developed a Nest.js microservice setup, merging three products, incorporating OAuth, and transitioning from proprietary databases (e.g., 8Base, MongoDB Atlas) to a unified on-prem MongoDB instance.
- **Backend Optimization & Scalability:** Implemented JWT authentication and split Express.js endpoints across three Node.js servers, managed via a weighted Nginx load balancer, showcasing the ability to design systems for performance and scalability.
- **Advanced State Management:** Created a sophisticated state-management system featuring an abstract analytics layer for seamless integration with various analytics platforms and provides granular feature usage tracking.

Subletinn Inc.

January 2019 - December 2021

Full Stack Developer

Chicago, IL

- **Platform Development:** Led the development of a multi-role company dashboard for a property management and resident engagement platform, securing \$100k in seed funding.
- **Feature Development:** Initiated and developed key features for streamlined room management, enhancing operational efficiency.
- **Automation & Optimization:** Engineered automation solutions resulting in a 24% increase in lead conversion rates, demonstrating the ability to solve complex technical challenges.

TECHNOLOGIES, SKILLS & INTERESTS

- **Languages:** JavaScript • TypeScript • Python • Golang • Kotlin • SQL/NoSQL
- **Frontend:** React.js • Angular 2+ • Svelte.js • Next.js • Three.js
- **Backend:** Node.js • Express.js • Django • Nest.js • Spring Boot
- **Database:** SQL (PostgreSQL, MySQL) • NoSQL (MongoDB, Redis, Firebase) • GraphQL
- **Infrastructure:** Docker • Kubernetes • GCP • AWS (lambda, EC2, Amplify) • On Prem
- **Extra:** LLMs (embedding, fine-tuning, prompt engineering, agentic development)

PROJECTS

Jail App (<https://jail.app>)

- Contributed to the general stability of Jail.app, a platform facilitating communication for those in custody.
- Ported the AI voice assistant from Python to Node.js - reducing the time it took for the AI to respond to questions by 1.5 seconds.

Un-Googleing (on-prem)

- Architected Docker and Linux Container orchestration on ProxMox to host document editing, photo sharing, and storage applications to remove reliance on Google products.
- Implemented balance loading, SSL validation, encryption, and no-trust authorization to allow the services to be used outside the network security.

EDUCATION

Grinnell College

Computer Science B.A

May 2017

Grinnell, IA