Amman, Jordan
[Linkedin]
[Github]
[Website]

Yazan Alqasem

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I'm a fresh computer-science graduate and full-stack developer specializing in JavaScript/TypeScript. A passionate GNU/Linux enthusiast running NixOS daily, I love pushing the web's boundaries and exploring system programming to deepen my technical expertise.

Work Experience

Full-Stack Web Developer   **May 2022 - Present**
- Created solutions for freelance clients and personal projects
- Designing and building full-stack applications using modern frameworks and tools
- Developed and maintained Node.js/Deno/Bun Services.
- Designed and optimized PostgreSQL schemas using Prisma/Drizzle.
- Automated Docker-based CI/CD pipelines with GitHub Actions and Cloudflare Workers.

Technologies and Languages

- Languages: JavaScript, TypeScript, Python, C
- Technologies: Git, GitHub, Docker, Nginx, Cloudflare, Linux, Nix
- Front-End: WebAssembly, React, Zustand, React Query, Vite, NextJS, TailwindCSS
- Back-End: Node.js, Deno, Bun, Express, Hono
- Databases: SQLite, PostgreSQL, Redis, Prisma, Drizzle

Education and Certifications

- **B.Sc. Computer Science,** Jadara University.   **Oct 2021 - June 2025**

Projects

SQLite Viewer   ([Source], **[Website]**)
- Built a client-side SQLite database editor in React + WebAssembly processing files entirely in-browser with zero server dependency.
- Implemented PWA with offline functionality, web workers for threading, and 12 keyboard shortcuts for power-user workflows.

MiftahDB   ([Source])
- Engineered high-performance synchronous key-value database library for Node.js/Bun with SQLite backend.
- Implemented advanced features: key expiration, pattern matching, namespacing, atomic operations, and Result-type error handling.
- Published NPM package with comprehensive TypeScript support, 40+ API methods, and optimized SQLite pragma configurations.

VWH Email   ([Source]**, [Website]**)
- Architected an open-source temporary email service with a Postfix mail server.
- Built an email interface with API documentation, regex-based email routing, and a comprehensive Ubuntu VPS deployment guide