Joshua Lyons

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CAREER OVERVIEW

Senior engineer and technical lead with more than eight years of full-time experience in software architecture, full-stack development, and cloud-based solutions. Extensive experience in handwritten code as well as modern agentic coding workflows and agentic project management, from writing tickets to working through system design. Specializing in Python, JavaScript/TypeScript, Go, Vue, React, native iOS, and .NET, I design, build, and scale production applications from an empty repo to fully deployed cloud infrastructure. With experience as CTO, co-founder, senior developer, and technical lead, I have shipped multiple software platforms and SaaS products as a solo full-stack developer and as part of a team, including systems that handle sensitive PII at scale.

QUALIFICATIONS

- Experienced in AI-assisted development, using AI coding tools and workflows daily
- Extensive experience developing in Python, JavaScript/TypeScript, Go, C#/.NET, ReactJS, VueJS, NestJS, PostgreSQL, React Native, native iOS, C++, jQuery, PHP, and R
- Effective with unit testing and working to achieve full test coverage
- Practiced in many different frameworks and tools such as Pandas, Python-Flask, Django, Nuxt, Expo, etc.
- Thrives in autonomous, remote and async-first work environments and works well with teams
- Effective in conveying complex technical concepts to non-technical stakeholders
- Strong background in graphic design, with a focus on UI/UX
- Skilled in managing and deploying cloud infrastructure on Azure and AWS, building CI/CD pipelines, and containerization with Docker
- Experienced in secure handling of sensitive PII at scale
- Built an LLM-powered SMS content generator that works from a therapist's comments and notes (originally on OpenAI's GPT-3.5)

EXPERIENCE

Evident Change

November 2024 – Present

Senior Application Developer (Technical Lead/Architect)

Serve as the senior technical lead and architect for a team of about 12, building cloud applications that power child welfare (DCFS) assessment data collection, reporting, and auditing for dozens of jurisdictions around the world. Design and implement new and legacy APIs in .NET, Go, and NestJS with their corresponding Vue/React/micro-app front ends, serving thousands of users and millions of records of assessment data and sensitive PII. Built our CI/CD pipelines on Azure, wrote Python data migrations, and handle production bugs and maintenance of legacy systems while building and rebuilding in modern tech.

FLX Sports (formerly NILX Management Group)

November 2023 – December 2025

Contracted Full-Stack Engineer

The newly founded NILX Management Group recruited me as a developer to construct their online presence and tech stack for overseeing nationwide NIL athletes and contracts, including landing pages, custom CRM, athlete recruiting profiles, etc. I custom built sleek, modern, dynamic UIs in ReactJS and accompanying Python backend. Through test driven development I was able to prototype, develop, and publish this feature-rich custom CRM in exceptional turnaround time. A public profile page I built so our athletes could share their stats on social media became FLX ID, the part of the MVP with the most legs. The whole company reorganized and pivoted around it as FLX Sports, carrying it through additional angel investment and a first round of funding.

Devv.Co
January 2022 – November 2025

Senior Developer

As part of a team of developers, maintained and updated websites for various eCommerce brands including Rustica, a leading barn door retailer. Implemented high-quality updates and bug fixes while maintaining site uptime and performance. Constrained to maintaining an archaic build (AngularJS v1) while rebuilding functionality in a modern stack (Vue/Nuxt). Shipped the rebuild along with a NetSuite integration, which still runs Rustica's site today.

Pass 360
August 2018 – May 2024 (Acquisition)

CTO/Senior Developer

Spearheaded the development of a cross-platform discount application and its web portal, featuring dynamic content management, analytics, and mass communication marketing tools. Transformed a barely usable prototype into a well-functioning, unit-tested, and maintainable codebase that served thousands of merchants, tens of thousands of users, and several school districts' fundraising needs.

WhistlePitch
July 2019 – June 2024 (Acquisition)

CTO/Senior Developer/Co-founder

As the co-founder and sole developer, built a comprehensive SMS marketing software suite to enhance business-client communication. Managed all aspects of product development, from ideation to testing to deployment. Carried out C-Suite duties such as negotiating with investors, working with our VC firm partner, etc. Tools ranged from appointment reminders to trackable interactive content to pre-/post-op surgical informed consent. The same code ran additional markets as OppText (where I built an LLM-powered SMS content generator from a therapist's notes) and BlastView (for content creators). In 2024, a med-tech client took over the platform under a lease-to-own buyout, with their own dev team now maintaining it.

BYU Broadcasting
January 2015 – May 2018

Special Projects Broadcast Engineer

Engineered special programming projects in an autonomous work environment, saving the organization hundreds of thousands of dollars in licensing fees per year by building in-house solutions. Projects ranged from server configuration to one off Python/Bash/R scripts to software suites complete with APIs and UIs. Ensured robust architecture for solutions critical to live, on-air broadcasting operations while also performing many SysAdmin duties for the department.

EDUCATION

BS Computer Science, Emphasis Animation, Minor Digital Humanities
Graduated April 2018

Brigham Young University, Provo, UT