Joe Van Horn

Software engineering, product discovery and delivery

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jvhtechinnovation.com

Software engineer and technical lead who works with clients and operational teams to turn open-ended problems into useful software. Shape ideas, design systems, write code and integrate data, combining hands-on development with ownership from discovery through deployment.

EXPERIENCE

Bally's Interactive

Mar 2024–Present

- **Senior Managing Engineer**
- Senior Engineer
- Full-Stack Engineer

- **Designed, built and launched a shared content API.** Created the integration point for mobile, web and connected TV; align contracts, documentation and releases with app teams and partners.
- **Turn operator workflows into working software.** Delivered live events, short-form video, stream controls and automatic replay; built game-day automation for delays, postponements and doubleheaders.
- **Migrated content into a shared catalog.** Moved 2,975 clips with zero failed records, preparing content for partner distribution.
- **Take ownership across systems and teams.** Promoted to senior after year one, then into management. Manage engineers while guiding architecture and delivery across APIs, video operations and automation.
- **Improve how software is built.** Introduced spec-driven development and AI code review across three codebases, plus automated testing and release workflows.

Hub Group

Jan–Mar 2024

Full-Stack Developer

- **Built freight workflow applications.** Led architecture and implementation connecting customers, carriers and brokers; co-led formation of the brokerage engineering team.

Hyperleap

Feb 2023–Jan 2026

Owner and Lead Engineer

- **Built TDK's phone and sales system.** Designed and delivered an insurance agent workspace connecting calls, SMS, voicemail, lead management and administration using Twilio, React, Node.js and AWS.
- **Explored AI through working products.** Helped build Art Vandelay, Introview and Searcher across conversational assistance, asynchronous video and web research as generative AI evolved.

Asurion

Nov 2020–Feb 2023

- **Software Engineer III**
- Software Engineer II

- **Helped rebuild legacy contact-center software.** Developed a Node.js and Twilio application replacing legacy IVR scripting for programs supporting Verizon, AT&T and Samsung.
- **Designed and implemented full-stack features.** Built REST APIs and worked across databases and front-end/back-end integration to carry features from design into working software.
- **Built event-driven workflows.** Used Node.js services and microservices to connect user actions with automated contact-center processes.
- **Grew into shared technical leadership.** Promoted from Engineer II to III, co-managed the migration team and helped advance Agile and Scrum practices alongside hands-on development.

Argonne National Laboratory

Aug–Nov 2020

Junior Software and Data Engineer

Rebuilt an Excel-based sustainability tool as a web application and loaded its data into Oracle using Python.

RealtyAds

2019–2020

Junior Software Engineer

One of the first employees. Worked primarily in PHP, designing and building the first websites and customer workflows for an AI-powered real-estate marketing company.

SELECTED FREELANCE PROJECTS

JVH Tech Innovations

- **MortOps — from discovery to a working system.** Turn operational conversations into workflows, interfaces, architecture and software for dispatchers, drivers and managers. Built and tested the three-role transport workflow in staging; development continues.
- **Windstone Financial — built around the client's workflow.** Defined and built an accounting task manager in Next.js and TypeScript with Copilot integration, status tracking and automated reminders, using client feedback to prioritize improvements.

TECHNICAL FOUNDATION

TypeScript / JavaScript, Python, PHP, SQL · Node.js, React, Next.js, Angular
AWS, Azure, Twilio · APIs, data integrations, event-driven systems, CI/CD

EDUCATION

University of Iowa · Bachelor's in Computer Science and Informatics, 2019

Northwestern University · Full Stack Web Development Bootcamp, 2019