

Jeremy Zierau

Principal Software Engineer

Email: jeremy@jzierau.com | Phone: 619-985-1923 | Website: jzierau.com

Engineering leader with 20+ years of experience building enterprise-scale applications, AI protocols and performant backends. Proven track record leading high-impact teams, bare-metal/cloud infrastructure and low-latency systems from concept to production.

Experience

Founding Engineer - ButlerVM (July 2025 - April 2026)

- Engineered a multi-tenant AI utilizing LLM orchestration and RAG pipelines to automate luxury hospitality workflows.
- Led engineering across 3 product builds: hiring, architecture, CI/CD and full-stack iOS/Web delivery.

Founding Engineer - IIO, Inc. (Jan 2023 - June 2025)

- Engineered an agentic framework and microservices architecture handling concurrent LLM pipelines.
- Engineered custom infrastructure using Ubuntu, ESXi, and Ubiquiti networking.

Founding Principal Software Engineer - Netwrks LLC (Jan 2020 - Jan 2023)

- Developed an interactive platform enabling dynamic edits on major films.
- Built a low-latency backend (100k+ edits served in under 150ms).
- Managed physical server architecture (Dell R730, ESXi, Ubuntu).

Senior Software Engineer - MadHive (Mar 2019 - Apr 2020)

- Designed high-speed data filtering (500k+ results in under 200ms) and managed multi-server cloud architecture.
- Partnered with the CEO to build MVPs used to secure clients like FOX.

Senior Software Engineer - Brain Corp (Oct 2017 - Mar 2019)

- Built initial MVP used to manage autonomous robot fleet in Walmart stores nationwide.
- Developed modular React frontend architecture and microservice auth system via Okta Identity Cloud.

Senior Software Engineer - Bridgepoint Education (Jul 2016 - Oct 2017)

- Led development of high-conversion lead-gen forms (75% increase in leads).
- Oversaw engineering for marketing web properties (ashford.edu, etc.).

Freelance Software Engineer - Self-Employed (Feb 2004 - Jul 2016)

- Architected custom web applications, databases and server infrastructure across client projects.

Education

BFA - The Cooper Union for the Advancement of Science and Art (2009-2013)

Technical Skills

AI Systems: Claude, Gemini, ChatGPT, Autonomous Agents, LLM Orchestration, RAG

Engineering: JavaScript, [Node.js](https://nodejs.org/), Express, React, Redux, [Next.js](https://nextjs.org/), Python, SwiftUI, PHP, PostgreSQL, MongoDB, SQL

DevOps & Infrastructure: Ubuntu, NGINX, PM2, ESXi, Bare-Metal, Server Management, CI/CD, Git