

Jacob Nash

San Francisco, CA — relocating to Sweden · jl.nash@me.com · linkedin.com/in/jacobloyd

Solutions Architect & Engineering Leader · open to roles in Stockholm, Gothenburg, and Malmö

Profile

Solutions architect and engineering leader with more than a decade in technology — professionally since 2013 — across SaaS, medical IoT, and regulated government environments, currently focused on AI solutions — making integrations actually work in a complex AI world, and translating technical depth into commercial outcomes. I work best in flat, collaborative environments built on trust and consensus: turning ambiguous requirements into clear architectures together with QA, product, and business stakeholders, and helping engineers grow into confident owners of their work. My focus areas are developer experience, system scalability, and sustainable engineering practices — shipping frequently without sacrificing quality. Currently relocating to Sweden with my family and studying Swedish daily.

Core competencies

- **AI solutions:** AI-driven full-stack development, LLM integration, AI-assisted end-to-end testing and QA across the delivery lifecycle, applied machine learning for process optimization
- **Languages & frameworks:** TypeScript, React, Next.js, Vite, Python
- **Architecture & cloud:** Solutions architecture, CI/CD pipelines, containerization, enterprise network design
- **Integrations & hardware:** IoT, embedded systems, Cisco Meraki, I2C, RS232, RS485, UART
- **Methodologies:** Product lifecycle management, engineering management, NIST compliance, IEC 62304 (FDA medical device software)

Languages

- **English** — Native
- **Swedish** — A2 completed, working toward B1 with daily practice

Experience

Parspec — Solutions Architect

San Francisco Bay Area · March 2026 – Present

- Own end-to-end ERP integrations between Parspec's AI-powered platform and leading North American electrical distributors — partnering with sales and customer success through technical discovery, enterprise evaluation cycles, and solution design, then carrying each integration through UAT, go-live, and production support.
- Design and deliver order, change-order, and invoice synchronization flows across diverse ERP and middleware stacks (Eclipse, Mincron, Boomi, EDI, webhooks, REST APIs), turning ambiguous customer requirements into reliable production integrations.
- Develop reusable integration recipes, shared implementation trackers, and enablement documentation — repeatable frameworks that make each subsequent distributor onboarding faster and hand-offs between customers, customer success, and engineering smoother.
- Apply AI across the full delivery lifecycle — AI-assisted development, end-to-end testing, and QA from first design through market release.

Altura Associates, LLC — Engineering Manager & Solution Architect

San Francisco Bay Area · November 2021 – March 2026

- Brought product and business leaders into the discovery phase so technical solutions stayed aligned with real customer needs.
- Standardized how new initiatives start with lightweight, shared architectural patterns and concise implementation guides.
- Introduced modern CI/CD practices and containerization, reducing deployment times from days to minutes.
- Refactored critical, performance-sensitive legacy code paths into modular, reusable components, achieving orders-of-magnitude performance gains.
- Led small, senior-leaning engineering teams in close partnership with QA and cross-functional stakeholders, turning ambiguous requirements into clear, shared architectures.
- Mentored engineers at all levels — helping mid-level developers grow into senior roles by teaching full-lifecycle thinking, from design through production operations.

Newmind Group, Inc. — Solutions Engineer

Kalamazoo, Michigan, USA · March 2021 – November 2021

- Partnered with the sales team on technical discovery and customized solution design — mapping technical capabilities to customer pain points and ROI — contributing to 25% departmental revenue growth through improved scope definition and client retention.
- Directed NIST-compliant Data Loss Prevention (DLP) controls for PII/CUI data, enabling government contractor clients to pass critical audits.
- Standardized enterprise network architectures on Cisco Meraki, migrating clients to managed, cloud-controlled environments.
- Reduced L2–L3 ticket wait times by 30% across a 200-user base; documented SOPs to remove single points of failure.

Self-employed — Technical Software & Firmware Consultant

Kalamazoo County, Michigan, USA · April 2021 – October 2021

- Architected a scalable software platform for a multi-node embedded system automating office equipment.
 - Took on firmware engineering engagements for client embedded devices, delivering production firmware alongside the platform architecture work.
 - Established KPIs and a structured SDLC — processes, coding standards, and testing methodology — for ongoing monitoring and iteration.
-

LivaNova — Software Design Assurance Quality Engineer

Houston, Texas, USA · September 2020 – March 2021

- Owned software safety and conformance for medical device software, verifying IEC 62304 compliance through rigorous testing and risk mitigation.
 - Initiated Root Cause Analysis reports for software defects and used trend data to implement preventive SDLC changes with the development team.
-

Stryker — Senior Software Embedded Design Engineer

Kalamazoo, Michigan, USA · January 2020 – September 2020

- Software lead for a multinational engineering team across four countries, coordinating design, documentation, and implementation to launch a Class C medical device.
 - Led R&D for integrating WiFi connectivity into next-generation surgical waste devices, including hospital network integration and security considerations.
-

Stryker — Software Design Engineer

Kalamazoo, Michigan, USA · February 2018 – September 2020

- Developed and optimized software for embedded microchips (PIC18/24/32; I2C, RS232, RS485, UART, GPIO) within a multi-node system architecture.
 - Implemented the graphical user interface for a next-generation surgical device, improving usability for clinical end-users.
-

Intel Corporation — Automation Engineer

Chandler, Arizona, USA · June 2016 – January 2018

- Built a lot-prioritization algorithm that touched every behind-schedule product in the factory — letting ahead-of-schedule lots trade places with late ones within standard batch processing — increasing velocity of late product by up to 20–30%.
 - Extended it with second-order impact analysis (what each slowed lot meant for its downstream group), alongside machine-learning and Python/R metrics work to remove operational bottlenecks.
-

Intel Corporation — Yield Systems Engineer (Internship)

Rio Rancho, New Mexico, USA · March 2015 – December 2015

- Supported system yield and operational continuity in a high-volume manufacturing environment.
-

University of New Mexico — IT Support (User Support Consultant & Support Tech II)

Extended Learning IT Services · Albuquerque, New Mexico, USA · May 2013 – March 2015

- Provided Level 1–2 help desk support for students and staff while completing my engineering degree.
- Helped lead adoption of LoboCloud, UNM IT's internal desktop-virtualization cloud, writing documentation for technical and non-technical audiences that drove adoption and cut department compute costs by roughly 25%.

Projects

Live products, side projects, and code at jacob.nash.engineering.

Education

Bachelor of Science, Computer Engineering

University of New Mexico School of Engineering · 2011 – 2016