

JASVANT SINGH DOSANJH

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PROFESSIONAL SUMMARY

Senior systems and endpoint engineer with 10+ years designing and running secure, large-scale device fleets (macOS, Windows, iOS, Linux) across higher education, healthcare, gaming, and big tech. Deep in MDM (JAMF, Intune, JumpCloud), identity and Zero-Trust, scripting and automation, and HIPAA/NIST compliance — and trusted to lead teams, mentor engineers, and own programs end to end. Known for cutting provisioning time and SLAs through automation while keeping regulated environments audit-ready.

PROFESSIONAL EXPERIENCE

Dosanjh Labs — Founder & Principal Engineer

Mar 2026 – Present

Founder / Full-Stack & Platform Engineer

Seattle, WA

- Founded Dosanjh Labs and shipped a product suite and its cloud platform — live at dosanjhlabs.com on Cloudflare Pages/Workers (serverless functions, D1), with Stripe subscription billing and passwordless authentication (Clerk; passkeys/MFA; OIDC).
- Built **Lookout**, cross-platform infrastructure monitoring with lightweight, outbound-only agents for Linux/Windows/macOS and plain-English alerting (email/Slack/webhooks) with deduplication and escalation.
- Built **Cairn**, a single cross-platform binary that reconciles device fleets across 12+ MDM/EDR APIs (Jamf, Intune, JumpCloud, CrowdStrike, Defender) into Snipe-IT with serial-based matching and dry-run previews.

University of Washington — College of Arts & Sciences, Dean's Office IT

Jan 2023 – Mar 2026

Senior Computer Specialist, Infrastructure

Seattle, WA

- Executed a full MDM platform overhaul for 300+ macOS and iPadOS devices, modernizing JAMF Pro enrollment and compliance ahead of executive deadlines; the framework was later adopted across additional university departments.
- Engineered a unified security baseline (CrowdStrike, VPN, certificate-based auth) with an opt-in self-service portal, driving adoption across decentralized faculty units and reducing support SLAs from 48 hours to 2 through automated provisioning and SSL certificate renewals.
- Built HIPAA-compliant server and clinical-workstation infrastructure for the Speech & Hearing Sciences Clinic; integrated five clinical vendors and cut \$30,000/year in spend.
- Served as cybersecurity lead and System Security Officer — owned CrowdStrike incident response and led NIST CSF, NIST SP 800-53, and HIPAA audits.
- Acted as operational lead during a leadership transition, mentoring and coordinating nine infrastructure and helpdesk staff (including four union civil-service employees) and establishing ticket-dispatch accountability.
- Directed a six-month network security migration across CAS buildings with zero unplanned downtime, coordinating IT staff across departments and documenting a framework other teams reused independently.

Tencent — Team Kaiju Studio

Jul 2022 – Dec 2022

Lead Systems Administrator (acting IT Manager)

Bellevue, WA

- Architected and deployed a complete multi-OS endpoint stack for a global gaming studio — JumpCloud MDM, Google Workspace SSO/MFA, AWS infrastructure, and 100+ Windows/macOS/Linux workstations — from zero in five months.
- Designed the scalable JumpCloud Go MFA/identity model adopted as the corporate standard for sibling studios in Los Angeles and Montreal.
- Supervised a systems administrator and a project manager, owning delivery timelines to hit studio and game-launch readiness.

Omni Group

Feb 2022 – May 2022

DevOps Engineer (Contract)

Seattle, WA

- Automated macOS server imaging, volume mounting, and API-driven configuration via shell scripting, reducing per-server ramp-up from 4 hours to 1 and enabling horizontal scaling without added headcount.

Meta — Enterprise Engineering

Apprentice Systems Technician

Aug 2020 – Feb 2022

Seattle, WA

- Engineered Bomgar-on-Fedora/Ubuntu Linux porting documentation that became a first-party BeyondTrust-supported solution for 5,000+ AR/VR employees; processed 200–300 monthly escalations on a team ranked #1 nationally in ticket resolution.
- Mentored 20 YearUp externs and 10 enterprise technicians on advanced endpoint troubleshooting and MDM workflows, supporting five externs converting to full-time roles.

Rochester Community Schools

Technical Assistant / Consultant

Aug 2019 – Nov 2020

Rochester, MI

- Coordinated six technicians on a 1:1 Chromebook rollout and asset inventory across six buildings within an 8-week deadline during the COVID-19 shift; built a Google Workspace remote-learning curriculum adopted district-wide.

PROJECTS

- **AI Sikh Librarian** (Hugging Face: jsdosanj/SikhLibrary; sikharchive.net) — RAG pipeline (Qwen2.5) over a 758M+ word multilingual corpus with a custom South Asian OCR pipeline; active users in 20+ countries.
- **Gurmukhifix** (PyPI) — Python OCR post-processing library for Gurmukhi/South Asian scripts; confidence-based routing, SQLite learning engine, batch processing.

LEADERSHIP & SERVICE

- **Board of Directors**, UW Professional Staff Organization (2024–2026) · **Faculty Council**, UW IT & Cybersecurity / Benefits & Retirement / Research (2024–2026) · **Director of Development**, GrizzHacks (2019–2020).

TECHNICAL SKILLS

MDM & Endpoint: JAMF Pro (Certified), Microsoft Intune, JumpCloud, Apple Business Manager, Zero-Touch Provisioning (DEP), Declarative MDM, Workspace ONE.

Infrastructure: macOS, Windows Server, Linux (Ubuntu/RHEL), Active Directory, Google Workspace, AWS EC2, Azure, VMware/Proxmox, core networking (DHCP, DNS, VPN).

Scripting & Automation: Bash, PowerShell, Python, REST APIs, GitHub Actions, shell scripting.

Security & Compliance: HIPAA, NIST CSF, NIST SP 800-53, FERPA, CrowdStrike EDR, conditional access, certificate-based authentication, incident response.

Languages: English & Punjabi (fluent); Hindi & Urdu (conversational).

EDUCATION & CERTIFICATIONS

118 credits toward B.S., IT Project Management — Oakland University

Certifications: JAMF Pro Certified Technician · Google Cloud Digital Leader · Cloud Security & Audit Fundamentals (AWS/Azure/GCP) · InfoSec Cyber Incident Response · HIMSA NOAH Product Support Engineer |

In progress: CompTIA Security+ (exam Aug 2026)