

Payam Sadeghian

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U.S. Citizen

SUMMARY

Systems engineer with 4+ years of engineering experience, built on a software-engineering foundation. Leads Microsoft 365 administration, automation, and security on a two-person IT team at a mortgage lender (Exchange Online, SharePoint Online, Entra ID, Intune) and ships production automation with Azure Functions, Azure Automation, Microsoft Graph, and PowerShell, backed by three years of multithreaded, cloud-connected systems engineering in Python and AWS. Currently completing SC-300 (Identity and Access Administrator).

CORE SKILLS

Microsoft 365 & Security: M365 Administration, Exchange Online, SharePoint Online, Teams, Entra ID (Azure AD), Microsoft Intune, Defender for Office 365, Conditional Access / MFA, DMARC / DKIM / SPF

Azure & Automation: Azure Functions, Azure Automation, Microsoft Graph API, Azure Document Intelligence, Office Scripts, PowerShell, Python, Bash

AWS & Cloud: EC2, S3, Lambda, AWS SDK (boto3), FastAPI, certificate-based auth, RBAC

Dev & Systems: Python, TypeScript, JavaScript (Node.js / React), REST / WebSockets, multithreading, Git, Linux / Unix, systemd, Playwright, Pytest

AI Engineering: Claude Code, MCP server development, AI-assisted development pipelines, LLM output evaluation

EXPERIENCE

Principal Systems Engineer | Champions Mortgage Team

Houston, TX · Feb 2026 – Present

- Lead Microsoft 365 administration, automation, and security on a two-person IT team at a 120-person mortgage lender, administering Exchange Online, SharePoint Online, Teams, and Entra ID, including tenant governance, identity and access configuration, and endpoint management.
- Built a nightly Azure Automation runbook (PowerShell, Microsoft Graph, certificate-based auth) that enforces confidential-document access controls across SharePoint Online, integrating Azure Document Intelligence (OCR) to classify files by content after filename matching proved unreliable.
- Built an event-driven Excel-to-cloud pipeline that works around Office Scripts' inability to write across workbooks: a script POSTs row data to an Azure Function HTTP trigger that routes on pipeline type and writes to the destination workbook through Microsoft Graph (Entra ID app registration, structured logging, failure handling).
- Designing and building an in-house web application on Azure with Entra ID single sign-on to replace the company's Excel-based CRM, with REST API integration to the point-of-sale system (in active development).
- Designed a tiered SharePoint Online permissions architecture (airlock folder model) governing organization-wide access, and automated site provisioning and permission-lifecycle tasks with PowerShell.
- Hardened Exchange Online against phishing and impersonation with Microsoft Defender for Office 365, Conditional Access legacy-auth blocks, and DMARC, DKIM, and SPF; led incident response for an MFA-fatigue attack and an adversary-in-the-middle mailbox compromise.
- Manage Microsoft Intune for Windows Autopilot provisioning, enrollment, compliance policy, and endpoint configuration; rolled out an enterprise password manager (1Password) company-wide with Entra ID authentication and a role-based access-group model.

Software Engineer (Contract) | Lightship Neuroscience

San Diego, CA · Jul 2025 – Dec 2025

- Built automated cross-browser and mobile tests (Playwright / Pytest) on BrowserStack, validating functionality across iOS and Android devices.
- Built AWS Lambda pipelines to process and re-encode safety-event footage from API calls, and handled dataset validation and storage across S3 buckets.

Software Engineer | Piper Networks, Inc.

San Diego, CA · Mar 2022 – May 2025

- Designed, built, and tested multithreaded client-server systemd services (Python, TCP sockets) that orchestrated software updates across the multiple onboard computers of a railway safety product, managing reverse SSH tunnels and LTE modem initialization on each unit.
- Built the update-builder service (Python FastAPI, async I/O) on an AWS EC2 instance with an event listener and a Makefile-driven build to assemble encrypted, self-auditing patch packets and dispatch them to hundreds of field units, improving update speed over 40% with safety-grade rollback reliability.

EDUCATION & CERTIFICATIONS

B.S. Cognitive Science, Specialization in Machine Learning & Neural Computation | UC San Diego

La Jolla, CA · March 2022

Minor: Computer Science

SC-300: Microsoft Identity and Access Administrator (in progress)