

# Payam Sadeghian

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## SUMMARY

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Engineer with 4+ years of experience spanning software development, cloud infrastructure, and systems administration. Build automation pipelines and integrations across Azure, Microsoft Graph, and REST APIs in Python and PowerShell, including document-processing runbooks integrated with Azure Document Intelligence. Earlier work includes safety-critical Python/Node.js services, fault-tolerant simulators, and AWS-deployed OTA infrastructure. Comfortable owning systems end-to-end from code and APIs to security architecture and incident response.

## CORE SKILLS

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**Cloud & Infrastructure:** Microsoft Azure, Microsoft Intune, Entra ID, M365 Administration, SharePoint Online, Exchange Online, AWS, AWS SDK, Synology NAS

**Scripting & Automation:** PowerShell, Python, Bash, JavaScript (Node.js / ReactJS)

**Dev & Testing:** Playwright, Pytest, REST/gRPC APIs, WebSockets, Git, MongoDB, Postman

**Systems & Protocols:** Linux/Unix, systemd, TCP/UDP, GNSS/GPS, Cellular (Telit), HTML/CSS

## EXPERIENCE

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**Principal Systems Engineer** | Champions Mortgage Team *Houston, TX · Feb 2026 — Present*

- Built Azure Automation runbooks (PowerShell + PnP) integrated with Azure Document Intelligence OCR to identify and hide sensitive funding documents across thousands of SharePoint folders, using tracking-list patterns for idempotent execution
- Led security incident response for an active mailbox compromise (adversary-in-the-middle MFA bypass) and remediated a separate WordPress site compromise involving a malicious PHP plugin used in a ClickFix social engineering attack against visitors
- Built out SharePoint Online security implementation across 5+ functional teams (loan officers, closing, processing, accounting), using a tiered "airlock" folder model with selectively broken inheritance to enforce least-privilege access, isolate sensitive funding data, and prevent destructive bulk operations
- Built Python migration tooling and reconnaissance for LendingPad-to-Sonar LOS transition (11,600+ loans, 16 loan officers), including MISMO XML schema mapping across 170+ shared tags, REST API integration, and external-ID reconciliation strategy

**Software Engineer (Contract)** | Lightship Neuroscience *San Diego, CA · Nov 2025 — Jan 2026*

- Developed automated cross-browser tests using Playwright/Pytest on BrowserStack to validate functionality across iOS and Android devices

**Software Engineer** | Piper Networks, Inc. *San Diego, CA · Mar 2022 — May 2025*

- Developed automated safety-critical test suites (Python/Bash) for system integration and regulatory compliance validation
- Built fault-tolerant device and telemetry simulators (Python/Node.js) for API testing, real-time data replay, and failure scenario validation across REST/WebSocket protocols
- Engineered Python systemd services for multi-SIM vehicle connectivity via Telit modems and reverse-tunnel session management, replacing third-party libraries with in-house tooling
- Built FastAPI-based OTA update service on AWS EC2 deployed to hundreds of field units, improving deployment speed by 40%+ while maintaining rollback safety

## EDUCATION

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B.S. Cognitive Science (Machine Learning Specialization), Minor in Computer Science — UC San Diego, La Jolla, CA · March 2022