# Alexander N Bufete

(510) 993-4306 - abufete@pm.me

## Experience

### Systems Engineer / QA Automation Engineer

Atlona - San Jose, CA                                   1/2023 - 7/2025

• Designed, deployed, and maintained test and production server environments running on Linux and Windows Server using VMware ESXi and Proxmox VE.
• Automated system validation and device communication workflows using Python, Selenium, and REST APIs, improving system reliability and testing efficiency by 17%.
• Integrated systems into Active Directory and managed user access permissions through Azure AD and Group Policy.
• Performed network configuration, monitoring, and troubleshooting using Wireshark, Nmap, and SSH across AVoIP devices and internal lab systems.
• Collaborated with R&D and IT teams to deploy and secure internal services, including web servers, databases (MariaDB, PostgreSQL), and file management systems.
• Managed configuration baselines, documentation, and version control via Git, JIRA, and Confluence.

### A/V Systems & Quality Engineer

Atlona – San Jose, CA                                   9/2022 – 1/2023

• Configured and maintained enterprise-grade A/V and control systems, ensuring reliable operation of video matrix switchers, AVoIP networks, and control processors.
• Implemented firmware updates and performed system imaging and network addressing for QA and field deployment environments.
• Worked with cross-functional IT teams to align QA system requirements with network and server infrastructure.
• Contributed to the development of standardized processes and deployment procedures for lab and field systems.

### Technical Support Engineer

Blackmagic Design – Fremont, CA                         11/2020 – 9/2022

• Supported enterprise clients (FOX, NFL, Universal Studios) with system integration, network diagnostics, and hardware-level troubleshooting.
• Provided advanced support via CLI, remote access (SSH, Telnet), and firmware-level analysis for broadcast and post-production systems.
• Diagnosed network and software issues across Windows, macOS, and Linux environments, escalating systemic issues to engineering for patching.
• Conducted system imaging, hardware repairs, and system validation testing with standard turnaround compliance.

## Summary

Versatile Systems Engineer with a background in IT infrastructure, automation, and system reliability. Experienced in managing Linux and Windows servers, virtualized environments, and enterprise network configurations. Adept at diagnosing and optimizing systems for performance, scalability, and security. Passionate about building efficient, automated solutions that bridge software, hardware, and network operations.

## Skills

### Hard Skills

Python, C++, Selenium, Windows Server, Arch Linux, Debian, RHEL, VMWare ESXI, Proxmox, MariaDB, PostGreSQL, Nmap, SSH, Telnet, RS232, Wireshark, Git, Zephyr Scale, JIRA, Confluence, Box, NetSuite, Zendesk, Slack, Office Tool Suites, Active Directory, Microsoft Azure, Ubiquiti

### Additional Experience

Designed and deployed IT infrastructures for small businesses, including Windows and Linux servers, network topology setup, Active Directory integration, and data backup systems for dental and office environments.