

ANDRES ARCIGA

SYSTEMS INTEGRATION ENGINEER | CLOUD, AI & INDUSTRIAL TECHNOLOGY

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I connect enterprise systems to the AI era. My work combines secure MCP and API services, the technical side of acquisitions, cloud migration, and the identity, endpoint, and network foundations that let a growing organization operate at scale. For 10+ years, I have developed my skills in cloud computing, data, and integration, and I now apply that foundation as businesses adopt AI.

SIGNATURE WORK

- **Enterprise AI:** Built MCP connectors for several legacy systems on Google Cloud Run, bringing separate company systems into a unified AI experience. Applied read-only tools, scoped access, service identity, and Secret Manager to make operational data available securely.
- **Acquisition integration:** Lead technical discovery, identity transition, data migration, and cutover into Google Workspace while aligning retention, backup, and support workflows.
- **Enterprise foundations:** Helped replace scattered, manual IT practices with repeatable Windows sign-in, mobile-device enrollment, endpoint security, remote-site networking, and centralized software administration.

PROFESSIONAL EXPERIENCE

Systems Integration Engineer | Redwood Family Care Network | Jun 2026–Present

- Lead technical integration of acquired organizations, moving collaboration data and identities into shared systems while planning access, cutover, retention, and ongoing support.
- Build and test cloud-hosted MCP/API connectors that make data from existing systems available to AI agents through scoped, read-only tools; use Cloud Run, Secret Manager, service identity, and IAM.
- Design cross-platform automation and integration patterns with business and IT stakeholders, balancing useful data access with security controls and operational ownership.

IT Technical Analyst | Redwood Family Care Network | Jan 2022–Jun 2026

- Played a key role in organizing IT through rapid company growth, researching, configuring, and deploying cloud and endpoint foundations across a distributed healthcare organization: Google Workspace, Windows cloud sign-in, MDM, and endpoint protection.
- Helped consolidate migration, archive, and backup workflows with CloudM and Google Cloud Storage Nearline/Coldline, reducing dependence on separate tools and external migration services.
- Supported deployment of UniFi networking and SD-WAN for remote-site visibility and repeatable setup; centralized device enrollment and software licensing practices.

Program Manager; Inside Sales; Counter Sales | Rexel USA | Jun 2016–Aug 2021

- Progressed through electrical distribution and technical sales into program management. Coordinated engineered material requirements for a renewable-energy account across engineering, fabrication, vendors, procurement, and customers.

SELECTED PROJECT DETAIL

Secure access to legacy operational systems

Business need. IT staff had to move among separate tools to answer routine inventory and patch questions, slowing support and keeping useful data outside approved AI workflows. **What I built.** MCP connectors for several legacy systems, mapping REST data into focused tools and bringing separate company systems into a unified AI experience. Deployed on Cloud Run with scoped access, service identity, and Secret Manager. **Validated outcome.** Integrated previously separate systems behind a common agent experience, with controlled tool discovery and live source responses for operational questions.

Technical integration through acquisitions

Business need. Each acquisition brought separate accounts, mail, files, device practices, and retention requirements. **What I led.** Discovery of source environments, data migration and identity transition into Google Workspace, cutover planning, and consolidated CloudM/Cloud Storage workflows. **Outcome.** Completed migrations and established repeatable practices for access, retention, recovery, and support.

Building enterprise IT foundations

Business need. Rapid growth outpaced small-company processes for account access, device setup, licensing, and site connectivity. **What I did.** Researched, tested, and rolled out components of cloud Windows sign-in, MDM enrollment, endpoint security, UniFi networking, and centralized licensing. **Outcome.** More consistent provisioning, stronger visibility, and an operating foundation the IT team could sustain as the organization scaled.

Factory floor to cloud analytics | Academic capstone

Built a simulated conveyor line in Factory I/O with OpenPLC control logic. Captured production events as structured exports into BigQuery and created Looker Studio views of throughput, queues, motor load, jams, and downtime. Tested direct streaming but used structured exports for the completed pipeline.

EDUCATION AND CREDENTIALS

Bakersfield College: B.S. Industrial Automation (2026); A.S. Industrial Automation (2023); A.S. Industrial Technology, Electronics Option (2015); Certificate in Mechatronics, Robotics, and Automation Engineering.

Credentials: Google Cloud certification; FAA Part 107 Remote Pilot Certificate; NAED EPEC Bronze. Cloud education and hands-on learning since 2015.

TECHNICAL RANGE

Cloud, data and integration: Google Cloud Run, Cloud Storage, BigQuery, Looker Studio, IAM, Secret Manager, Google Workspace Admin SDK, Microsoft 365, CloudM, REST APIs, MCP, Python.

Identity, security and devices: Google Credential Provider for Windows, Chrome Enterprise, Sophos EDR, Virtru, Prey, Hexnode, Jamf Pro, MaaS360, Samsung Knox, UniFi Identity, miniOrange SSO, backup and retention.

Networks and industrial systems: UniFi gateways and SD-WAN, network and fiber diagnostics, Allen-Bradley PLCs, Studio 5000, Factory I/O, OpenPLC, instrumentation, robotics, motion control, AutoCAD.

Enterprise delivery: SAP Ariba, EDI, acquisition migration planning, vendor coordination, runbooks, and technical documentation. Bilingual in English and Spanish.

PROFESSIONAL AFFILIATION

Member, International Society of Automation (ISA); attends Kern Chapter meetings.