ALBERTO NIETO

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PROFESSIONAL SUMMARY

Strategic and hands-on technology leader with 25+ years in financial services, specializing in AI-driven automation, cloud-native solutions, and enterprise-scale data engineering. Expert in Agentic AI frameworks, GCP infrastructure, and scalable automation pipelines. Proven track record of delivering intelligent systems that integrate OCR, LLMs, Video and CI/CD workflows. Trusted advisor to leadership with a focus on innovation, operational efficiency, and end-user experience.

AREAS OF EXPERTISE

Agentic AI & GenAICloud	Cloud Engineering (GCP, PCF)	Data Analysis
Video Inference	Python Development	Data Engineering & Pipelines
OCR & Document Intelligence	Containers	Infrastructure as Code

RECOGNITION

January 2026 Named as co-inventor on patent application
Top Performer 2018 (New Orleans) - In recognition of my efforts in the vulnerability space
Top Performer 2014(Nashville) - In recognition of my efforts in the asset reporting space

PROFESSIONAL EXPERIENCE

WELLS FARGO, Phoenix, Arizona   **2000 to Present**

Principal Engineer, (Executive Director)   06/2025-Present

Leader in implementing cutting edge solutions for business needs presented to CTO weekly. Tasked with creating documentation and materials to accelerate onboarding with developers to mature solutions into production rollouts.

- Created AI framework which creates AI agents to automate LOB operations.
- Implemented patterns to ensure non functional requirements are satisfied with AI deployments
- Audit enterprise clients used for Apigee AI api provisioning in order to enable multi modal capabilities and allow proper scaling
- Created pipeline to process thousands of videos daily into standard operating procedures to be ingested for consensus and analytics up to and including knowledge tree persistence
- Implemented evaluation and evolution methods and frameworks to score and evolve agent definitions for data pipeline tasks.

Senior Lead Analytics Consultant, (Executive Director)   06/2022-06/2025

Individual contributor responsible for proof of concepts with latest tools and methods to onboard with a larger team. Focus on AI implementations to automate and streamline existing workflows.

- Lead AI and automation initiatives as the team's resident expert in GenAI and Agentic AI frameworks, including Google ADK, and Pydantic-AI.
- Architected scalable OCR pipeline processing over 500k documents using Gemini, with results stored in Teradata and SQLite for distributed processing.
- Developed intelligent agents capable of querying databases, summarizing KPIs, validating SQL, and generating structured QA outputs using Python and Google ADK.

- Designed and implemented local CI/CD workflows using pre-commit hooks, and vulnerability scans to streamline deployment and packaging.
- Built reusable data pipelines for document ingestion, OCR, and validation using Selenium, HTTPX, and Docling, with downstream integration into slim web GUIs (Gradio, Streamlit).
- Provided strategic technical leadership by designing modular, scalable architecture reused across multiple teams and projects.
- Implemented tech stack workflow with git, peer reviews, pull requests, and release standards to accelerate the maturity of end user compute tool development in groups.
- Demoed cutting-edge advancement in generative AI to peers and leadership to communicate possibilities as they relate to existing business processes.

Lead Analytics Consultant, (AVP)   01/2018-06/2022

Individual contributor responsible for proof of concepts with latest tools and methods to onboard with a larger team. Participate in a T shaped role providing leadership, oversight, and direct development in ETL, visualization, and advanced analytic workstreams.

- Onboarding sunrise app to Cloud in PCF. Integrated Splunk logging and Blackduck scans for observability and security compliance.
- Configuring Enterprise Pipeline for .net app use
- Web Scrape automation for Business Intelligence Visualization Previews and Validation
- Engage appropriate technology peer groups to execute high priority regulatory data analytics with minimal requirements
- Responsible for loading data via manual and automated process via ETL maintenance and creation.
- Created dynamic database to handle manual data loads from flat field received from data providers

Applications Systems Engineer, (AVP)   11/2016-01/2018

Team Lead for vulnerability business intelligence development team. Provide leadership and direction on risk based business requests to meet compliance and remediation needs.

- Sized incoming requests and enhance initial requirements to be delegated to developers
- Provided guidance to development team and business partners on BI solutions for emergency remediation and reporting
- Consulted leadership and business partners on data architecture roadmap to meet needs of vulnerability remediation.
- Engaged appropriate technology peer groups to execute high priority regulatory data analysis with minimal requirements
- Created ad-hoc reports leveraging existing and new systems of record in SQL to illustrate compliance or areas of concern regarding vulnerability remediation

Business Systems Consultant, (AVP)   10/2009-11/2016

Create business intelligence reporting and tools to facilitate regulatory compliance and leadership decision making. Negotiate with business partners to create and discuss feasibility of requirements.

- Create and Support Ongoing Asset Validation process.
- Create and Update various compliance metrics for server footprint.
- Create and Support various Business Process reports focusing on time to market for Server Implementation, Changes, and Decommission.

Project Manager   07/2009-10/2009

Managed merger related efforts for the Wholesale Banking business line. Efforts included creating testing environments for migration customers to ensure a smooth transition.

- Created various Business Requirements Documents with input from various stakeholders.
- Facilitated meetings between product contacts and technical resources.

Technology Manager   2006-2009
Lead team of technical professionals who supported end user computers in three administrative sites and all retail branches in AZ.

- Implemented metrics and performance tracking which illustrated growing trends in volume which produced higher productivity and a streamlined team.
- Collaborated with peer management on 500k budget to stay within forecast +/- two percent.
- Lead team through implementation of 1000+ desktop OS migrations with minimal impact.
- Interfaced with other business partner tech groups to deploy tech solutions.
- Expedited Business Continuity Plan documentation to stay within 100% compliance of policy for disaster recovery for four business lines technology needs.
- Lead in monthly compliance efforts for security patching, encryption, and asset tracking which improved implementation in various custom managed LAN environments.

Team Lead   2005- 2006
Lead six technicians at two admin sites with second and third level desktop end user support.

- Engaged with business management to qualify level of support and satisfaction which resulted in improved perception of work group efforts.
- Project managed tech refreshes and migrations on budget and on time as forecasted.

Leadership Development Program Associate   2004-2005
Rotated through operations and technology departments within Wells Fargo.

- Presented to technology executive leadership solution for SharePoint hosting environment.
- Implemented various projects that were group specific or enterprise wide throughout the company in order to provide value add for the hosting business groups.

Operations Analyst   2003-2004
- Compiled and analyzed operational statistics from various sources to improve productivity.
- Facilitated compliance and performed testing for Office of Foreign Asset Control.

Operations Processor   2003-2003
- Processed wire orders from wholesale customers into Money Transfer System.
- Audited wires in system and repair according to circumstances to meet wires deadlines.

Lead Teller   2001-2003
- Interviewed and assessed incoming prospective tellers.
- Managed vault levels and ordered cash to stay in accordance with a 40% usage goal.

Personal Banker   2000-2001
- Motivated and coached tellers in sales goals implemented through company campaigns.

BANK OF AMERICA, Phoenix, AZ   **1999-2000**

Teller/Customer Service Representative   1999–2000
- Assisted with audit procedures

EDUCATION

Bachelor of Science, Accounting
DeVry University, Phoenix, Arizona