Roniel Polanco

AI Engineering Technical Leader | Senior Software Engineer

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Software engineer and technical leader with experience building AI engineering platforms, modernizing hospitality integrations, and developing reliable data migration systems. Leads a team of six AI engineers delivering the company's technical and product roadmap. Background spans .NET microservices, event-driven architecture, real-time data streaming, and ETL platforms.

Professional Experience

Cendyn | October 2024 - Present

Technical Leader, AI Engineering | July 2026 - Present

- Lead a team of six AI engineers delivering the company's technical and product roadmap.
- Lead development of AI Gateway and Model Context Protocol (MCP) Gateway platforms, including their governance capabilities.
- Guide delivery of an AI Harness and Guardrails tooling, alongside an AI Code Review Platform and AI Metrics Dashboard.
- Lead development of a Red Team Security Platform with engines for penetration testing and other security assessments across company projects.
- Built AI agents, including a code review agent.

Technologies | Python, Langfuse, Claude, Herdr, PostgreSQL, pgvector, RAG, .NET, Next.js, Three.js, design systems, Docker, AWS Lambda, AWS.

Senior Software Engineer | January 2025 - June 2026

- Modernized the integration platform with the Integrations team, migrating legacy codebases to a modern .NET microservices architecture with event-driven processing and real-time streaming from external property management systems (PMS) into internal databases.
- Developed integrations with Oracle OHIP, RMS, Jonas Chorum, Cloudbeds, and SIHOT.
- Built a data migration platform to move client data from a legacy CRM into CCRM, using .NET 8, PostgreSQL, and Next.js. Connected to multiple client SQL Server instances and databases, transformed data to the destination schema, and delivered it over HTTP.
- Designed an orchestrator-based backend with reusable adapters for each module or entity, allowing migration behavior to be extended and modified.
- Implemented retries, tracing, logging, and auditing to support reliable migration execution and troubleshooting.

Technologies | .NET 8, PostgreSQL, SQL Server, Azure SQL, SSIS, Next.js,
Azure Service Bus, Azure Functions, Docker, Azure.

Software Engineer, Contractor | October - December 2024

- Rejoined Cendyn as a contractor for the SQL migration project before transitioning to a full-time Senior Software Engineer role in January 2025.

Technologies | SQL Server, PowerShell, MultiScript.

Earlier Experience

BairesDev | September 2021 - November 2023

Senior Software Engineer, Contractor | Client assignments at Intapp and Cendyn

- Led a team of five developers across client project work.

Intapp | Software Engineer | February - November 2023

- Developed features and unit tests for enterprise software supporting law firms in identifying conflicts of interest and managing corporate operations.

Technologies | .NET MVC, JavaScript, jQuery, Kafka, Jenkins.

Cendyn | Senior Software Engineer | September 2021 - February 2023

- Maintained and upgraded revenue management software for hotel chains, using SSIS and Azure Data Factory to support customers migrating from third-party vendors.
- Contributed to the migration of a legacy ASP.NET MVC 4 application to .NET 6 and Vue.js.
- Architected and implemented a generic integration system connecting customer PMS data for business analysis, and managed data pipelines from central reservation systems to third-party PMS platforms.
- Developed and deployed CI/CD pipelines for Vue.js, .NET, and legacy applications.

Technologies | C#, ASP.NET MVC 4, .NET 6, Vue.js, SSIS, Azure Data Factory, CI/CD.

Dominican Republic Immigration Office | July 2018 - October 2021

Lead Software Engineer | January - October 2021

- Led recruitment, technology selection, requirements analysis, and technical specifications for software projects.
- Led development of eTicket, the immigration form used by millions of travelers entering and leaving the Dominican Republic.

Technologies | React, .NET Web API, MVC, Azure, on-premises server setup and deployment.

Software Analyst | July 2018 - January 2021

- Developed features for border control systems addressing travel document duplication and falsification, and maintained existing operational software.
- Built a mobile application used by more than 120 field officers for immigration enforcement tracking and data collection.
- Documented infrastructure and operating procedures, analyzed requirements, and produced technical specifications and process diagrams.

Technologies | React, .NET Web API, MVC, Azure, on-premises server setup and deployment.

Technical Skills

Backend and data: C#, .NET 8, .NET 6, ASP.NET, .NET Framework, Entity Framework, SQL Server, PostgreSQL, SSIS, Azure Data Factory, Python.

Architecture and delivery: Microservices, event-driven systems, real-time streaming, ETL, HTTP integrations, orchestration, adapter patterns, retries, tracing, logging, auditing, Azure, CI/CD.

Frontend and AI platforms: Next.js, React, Vue.js, JavaScript, AI gateways, MCP gateways, AI governance, guardrails, AI code review, AI metrics, red team security tooling.

Education

Software Engineering | UNICDA | 2025

Technician Degree in Software Development | Instituto Tecnológico de las Américas (ITLA) | 2019