Germán Neironi

Cloud & AI Solutions Engineer | Founder @ CloudPruneAI

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Professional Summary

Cloud & AI Solutions Engineer with **15+ years** of experience designing and building cloud solutions that integrate AI to solve real business problems — from architecture to production deployment.

Founded **CloudPruneAI**, a FinOps SaaS platform that scans AWS accounts, detects billing waste, and auto-generates ready-to-deploy CDK infrastructure code using AI. In beta, identified **$18K/month in savings** for a Series B fintech across 249 instances and 3 AWS accounts.

Expert in **full-stack cloud development** with AWS (CDK, Lambda, ECS Fargate, Bedrock, RDS, S3, Glue, Athena), FastAPI, Next.js, PostgreSQL, and **AI integration** (Claude API, AWS Bedrock). Skilled in Python, TypeScript, Docker, and designing **hybrid serverless architectures** for production systems where AI generates real output, not just prototypes.

Currently leading cloud data and AI projects at **Argeniss Software** while operating CloudPrune AI.

Education

Bachelor's Degree in Business Management
Universidad Autónoma de Entre Ríos (UADER), Paraná, Argentina

Certifications & Training:

- AWS Cloud Services (Kinesis, EMR, Glue, Athena, QuickSight, Redshift, IoT Analytics)
- Azure Fundamentals & Data Engineering

- C1 English Language (EFSET)
- Machine Learning Engineer (Anyone AI)
- Scrum Foundation Professional & PMO
- ITIL® Foundation Certificate

Core Technical Skills

Cloud & Infrastructure:

AWS (CDK, Lambda, Step Functions, ECS Fargate, DMS, Bedrock, S3, Glue, Athena, Redshift, DynamoDB, SQS, KMS, EventBridge, Secrets Manager, CloudFront), Terraform, Azure

Programming & Frameworks:

Python, TypeScript, SQL (T-SQL, PL/SQL), JavaScript, FastAPI, Next.js 14, Vue.js, R

Data Engineering:

ETL/ELT, Parquet, JSON, Pandas, PySpark, Apache Spark, Data Pipeline Design

Databases:

PostgreSQL, MySQL, SQL Server, MongoDB, Oracle, Amazon RDS, Amazon Redshift

AI/ML:

AWS Bedrock (Claude 3.5 Sonnet), Scikit-learn, PyTorch, Keras, SageMaker Canvas

DevOps & Tools:

Docker, Git, GitHub Actions, CI/CD, IaC (CDK, Terraform), Jira, Figma

Business Intelligence:

Power BI, Tableau, Pentaho, QuickSight, SSRS

Professional Experience

CloudPrune AI | *Founder & Technical Lead*

November 2025 - Present | SaaS Startup (Side Project)

- Founded production **FinOps SaaS platform** analyzing AWS accounts and auto-generating infrastructure-as-code for cost optimization

- Implemented **8 resource analyzers** (EC2, EBS, S3, RDS, Zombie Services) detecting **20-40% average savings**
- Built **hybrid serverless architecture**: Lambda for API (FastAPI), ECS Fargate for scan workers, RDS PostgreSQL
- Developed **AI-powered CDK code generation** using Claude API (Anthropic) for automated optimization
- Designed **gainshare pricing model** with Stripe integration
- **Validated**: Detected **$256K/year savings** in real fintech scenario (249 instances, 3 AWS accounts)
- Deployed production MVP in 4 months with full CI/CD pipeline

Tech Stack: AWS CDK, Lambda, ECS Fargate, RDS, S3, SQS, Cost Explorer, FastAPI, Next.js 14, PostgreSQL, Stripe, Auth0, Python, TypeScript, Docker

Argeniss Software | *AWS Data Integration Engineer*

October 2025 - Present | Fintech Company

- Architected **automated DMS system** replicating **10-30 SQL Server databases** to Redshift with CDC (30-120 sec latency)
- Built **reusable Terraform modules** (DMS instance, endpoints, KMS) following IaC best practices
- Designed **multi-source architecture** supporting SQL Server (DMS), MongoDB (Change Streams), REST APIs (Salesforce, NetSuite)
- Developed **orchestration system** with Step Functions and Lambda for **zero-touch database onboarding** (3 commands)
- Implemented **DynamoDB-driven configuration catalog** and **S3 data lake** for semi-structured data
- Deployed **multi-AZ, Security Hub compliant** infrastructure with automated KMS rotation
- Created **Redshift Spectrum integration** for querying S3 data alongside relational tables
- Delivered **60-70% infrastructure reusability**, reducing onboarding time from weeks to days

Tech Stack: AWS DMS, Lambda, Step Functions, DynamoDB, S3, Redshift, KMS, Terraform, Python, SQL Server, MongoDB, REST APIs

Argeniss Software | *AWS Data Engineer*

March 2025 - October 2025 | E-learning & Healthcare Company

- Architected **complete ETL system** extracting student performance data from MySQL to S3 Data Lake with Parquet optimization
- Built **dynamic REST API** with API Gateway + Lambda + Athena for configurable analytics endpoints (no-code via DynamoDB)
- Developed **LLM-powered analysis system** using AWS Bedrock (Claude 3.5 Sonnet) for personalized educational recommendations
- Implemented **6 production Lambda functions** (containerized) handling ETL, API queries, LLM analysis, NCLEX generation
- Created **real-time update pipeline** with SQS for user-specific data refreshes
- Designed **Vue.js frontend** with CloudFront for NCLEX question generator with iterative AI feedback
- Deployed **multi-stack CDK infrastructure** with automated Glue Crawlers and EventBridge schedulers
- Optimized query costs with Athena partitioning strategy, achieving **sub-second API response times**

Tech Stack: AWS CDK, Lambda, API Gateway, Bedrock Claude, Athena, Glue, S3, DynamoDB, SQS, CloudFront, EventBridge, Secrets Manager, Python, MySQL, Parquet, Vue.js, Docker

Argeniss Software | *Additional Projects*

February 2025 - Present | Multiple Clients

AWS Data Warehouse Engineer:

- Built API data extraction and transformation pipelines using AWS CDK
- Developed automated JSON-to-Parquet conversion with partitioned storage
- Configured Glue Crawlers for automated schema cataloging and Athena optimization
- Implemented secure credential management with Parameter Store and S3 encryption

AWS SageMaker Forecast Engineer:

- Implemented forecast infrastructure using SageMaker Canvas models
- Created dual system for short/long-term predictions
- Set up GitHub Actions CI/CD pipeline with multi-environment deployment

Bedrock AI Analysis Engineer:

- Designed **multi-model AI pipeline** using AWS Bedrock with **4 concurrent models** (Claude Sonnet, Haiku, Nova Lite, Nova Pro)
- Built serverless architecture with **Step Functions** orchestrating 3-stage workflow
- Implemented automated CSV processing handling **300+ records** with EventBridge triggers
- Achieved **30-60 second processing time** per account with cross-model validation

Scale AI | *AI Quality Assurance*

August 2023 - September 2024

- Helped train generative AI models by performing code review of model output
- Created code snippets with reasoning to improve AI model responses
- Identified and fixed bugs to enhance model performance
- Supported prompt engineering and quality standards

Tech Stack: Python, NumPy, Pandas, Scikit-learn, Keras, PyTorch, Docker, AWS

NTB Solutions | *Sr Data Analyst*

August 2018 - February 2024

- Worked on data analysis and integration projects for healthcare clients across multiple countries
- Built ETL processes using Azure DataFactory, Notebooks, Scala, and Python
- Created BI dashboards using Power BI, Pentaho, and Tableau
- Designed and implemented health information systems (HIS, LIS, RIS)
- Set up HL7-FHIR health interoperability processes
- **Achievement:** Built custom report recovering **billions of pesos annually** in previously uncontrolled funds

Tech Stack: Azure DataFactory, Python, Spark, PySpark, SQL, Pentaho, Power BI, MIRTH Connect, MySQL, Oracle, PostgreSQL, MongoDB

Anyone AI | *Machine Learning Engineer (Part Time)*

July 2022 - December 2022

- Developed sentiment analysis, image classification, credit risk analysis, and salary prediction models
- Built and trained ML models using Python and various libraries
- Integrated models into API-based web services with Docker deployment

Tech Stack: Python, Scikit-learn, Keras, PyTorch, TensorFlow, Docker

Sanatorio la Entrerriana | *Data Analyst & IT Manager*

July 2008 - August 2018

- Led implementation of health information system for large healthcare institution
- Created dashboards and reports using Power BI and Google Data Studio
- Managed Oracle databases and data-driven decision-making processes
- **Achievement:** Successfully led declining implementation project involving **100% organizational cultural change**

Tech Stack: Oracle, SQL, Power BI, Google Data Studio, ETL processes

Key Projects & Achievements

CloudPrune AI Platform

Production-ready FinOps SaaS detecting $256K/year savings in fintech validation scenario. Featured AI-powered CDK code generation and gainshare pricing model.

Multi-Source DMS Architecture

Automated replication system supporting SQL Server, MongoDB, and REST APIs with 60-70% infrastructure reusability.

Educational Analytics Platform

Complete ETL system with LLM analysis, dynamic REST API, and NCLEX question generator with Vue.js frontend.

Healthcare Data Recovery

Custom reporting solution recovering billions of pesos annually in previously uncontrolled healthcare funds.

Soft Skills

- Strategic Thinking & Problem Solving
- Team Leadership & Collaboration
- Continuous Learning & Growth Mindset
- Strong Written & Verbal Communication
- Detail-Oriented & Goal-Driven
- Remote Work Excellence (Slack, Discord, Teams, Jira)
- Cross-Functional Team Coordination
- Stakeholder Management