

CALEB KENNEDY

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TARGET ROLE: AI/ML Engineer, Data Scientist, or Software Engineer

QUALIFICATIONS

Ambitious, engaging **AI/ML Engineer** with 4+ years of experience building distributed metadata processing systems, with 1 year of private sector employment creating systems at scale. Hands-on experience in building production machine learning (ML) pipelines, large language model LLM-powered automation systems, and full-stack AI applications. Delivered measurable business impact by replacing months of manual work with scalable ML and NLP solutions using Python, SQL, and modern AI frameworks. Adept at translating complex data problems into deployable tools, from concept through executive-level presentation. Valued by managers for initiative, tenacity, curiosity, dedication to learning, and industrious work ethic.

Core Competencies:

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|-------------------------------------|----------------------------------|-----------------------------------|
| Python development | Distributed systems architecture | API and microservices integration |
| Code review / software quality | System performance optimization | Metadata extraction/enrichment |
| ML/LLM model integration/deployment | Cross-functional collaboration | Responsible AI practices |

PROFESSIONAL EXPERIENCE

NetSuite Data Engineer | AI/ML Engineer (full-time contract position - hybrid)

KRAYDEN, INC.

July 2025 – Present

- **Key contributor to a mission-critical 2-year migration** from legacy ERP system to NetSuite.
- **Developed an LLM-based product enrichment system using OpenAI API** to automate data collection for 42,000+ product records in 3 weeks, eliminating 12+ months of projected manual research and reducing data entry backlog by >95%.
- **Initiated, designed, and built a full-stack RAG application** (Python, React, Pinecone, Gemini API) to automate product recommendations in under 7 seconds, replacing a manual catalog lookup process; presented live demo to CEO and CFO, earning executive approval for production deployment with projected time savings of 5+ hrs/week per sales rep.
- **Engineered production ML pipeline using DBSCAN clustering** to deduplicate 20,000+ customer records across CRM and ERP systems, achieving 90% accuracy and eliminating months of manual reconciliation.
- **Designed and optimized SQL-based ETL workflows** to extract order and sales data from NetSuite ERP, implementing regex parsing and multi-currency logic to consolidate 3+ data sources into executive Power BI dashboards.
- **Fulfill a broad-based data engineering role** for a technical distributor of specialty chemicals for clients in aerospace, electronics, transportation, energy, and general manufacturing sectors. Share Python expertise with colleagues.
- **Formally recognized in the I.T. Q1 2026 meeting for initiating and completing the RAG application.**

INDEPENDENT AI DEVELOPMENT PROJECTS

PixelForge | Image Super-Resolution Neural Network: Developing a PyTorch-based deep learning model using convolutional neural network architecture to upscale low-resolution images, with custom loss functions and training pipelines focused on practical computer vision applications.

PromptStudio | LLM Prompt Evaluation Platform: Built full-stack prompt engineering platform (React, FastAPI, Google Gemini API) enabling users to create, test, and iterate on LLM prompts with real-time evaluation metrics, version control, and automated quality scoring across structure, clarity, and length.

EDUCATION

B.S., Data Science with strong emphasis in Business Analysis/IT/Networking, December 2024 **ARIZONA STATE UNIVERSITY**

Capstone Project: Civil Unrest Predictive Modeling | Capstone Research Project: Led a team of 4 in analyzing relationship between economic indicators and civil unrest using protest data (200,000+ records) and large economic datasets. Built Random Forest classification model achieving 73% accuracy and 0.83 AUC score in predicting violent protest events, with feature importance analysis identifying wealth inequality and consumer price index as top predictors.