

# AZIEB PARKER

AI & Data Engineering Professional | Automation, Applied AI & Financial Systems

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## EXPERIENCE SUMMARY

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AI and data engineering professional with experience spanning financial data operations, automation, systems integration, and applied AI. Work includes Python ETL pipelines, SQL and QODBC reporting, workflow automation with Microsoft Power Automate, AI model integration (Claude, Gemini, and locally-hosted LLMs), data transformation, and modern data stack development with Python, DuckDB, and dbt.

## EXPERIENCE

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### Financial Systems Engineer | Dynamic Safety LLC

*June 2024 – Present*

- Engineered Python ETL automation that reduced data-processing time by 67%, plus a second Python tool that auto-files payment and invoice documents using spreadsheet data as routing instructions.
- Built and deployed a Power Automate workflow integrated with the Microsoft Graph API to automate collections outreach-email routing, with a human-in-the-loop approval step; documented the flow in an SOP with a troubleshooting reference.
- Manage financial data operations, reporting, data-quality controls, and system security, including role-based access control across QuickBooks and BambooHR.
- Activated existing QuickBooks features (e-invoicing, automated payment reminders) instead of building custom solutions, accelerating the billing cycle by 33% and increasing CEI by 1.8% through A/B-tested collections methods.
- Write custom QODBC and SQL queries against QuickBooks Desktop for reporting beyond the system's standard output.
- Engineered a custom BambooHR-to-QuickBooks payroll data integration, generated with AI-assisted coding each cycle.
- Inherited undocumented financial systems from a departing employee and became the person who could operate and document them, training stakeholders through hands-on walkthroughs.

### AI Developer Intern | Prosper IT Consulting

*September 2025 – Present*

- Built a full-stack semantic AI chatbot (Next.js, TypeScript) deployed on Vercel, integrating Voyage AI embeddings, cosine-similarity vector search, and the Anthropic Claude streaming API in a RAG architecture for grounded, context-aware responses.
- Used Google Drive and Google Sheets/Docs for file sharing and documentation across development workflows.

### Financial Systems Analyst | Josh's Landscape Management

*January 2021 – December 2024*

- Led migration of 5 years of legacy financial data to QuickBooks Online, leveraging its built-in rule-based matching for faster expense reconciliation in place of manual classification.
- Reconciled full-cycle accounts payable and accounts receivable across roughly **\$1M** in annual transaction volume, maintaining zero-variance record keeping.
- Built Excel-based financial forecasting models used to secure lines of credit and financing.
- Filed quarterly payroll tax reports with the State of Indiana and generated annual 1099s for contractors.

### Information Technology & Operations Manager | NWI City Tax Service

*January 2021 – June 2024*

- Deployed and administered enterprise software (ADP, Crosslink Tax Software) for 15+ cross-functional users across 3 regional hubs, establishing data governance, security, and role-based access protocols.
- Administered network troubleshooting across all locations and wrote how-to guides for common software and hardware issues, cutting down on recurring support requests.
- Led system audits and technical control reviews across multi-site offices, contributing to a **15%** increase in operational profitability over 2 years.

## CLIENT DEPLOYMENT

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### Self-Hosted AI Tax Automation Pipeline: 2-Person Team, Live in Production

- Interviewed a client to audit their document-processing workflow, then co-designed and co-coded a pipeline: AllenAI OCR extracts bank statement data to JSON, a locally-hosted Qwen model (via LM Studio) categorizes expenses against tax code, and results export to CSV for filing.

- Cut processing time for a full year of statements (~40 PDFs) from **8 hours to 1 hour**; currently deploying to the cloud for scaled production use. Proprietary client engagement; architecture and code are not publicly shareable, but details are available on request.

## PERSONAL PROJECTS

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Built during AI and Data Engineering training at The Tech Academy (September 2025 – Present), separate from professional employment.

### FinSim: Customer Retention & Churn Data Pipeline:

Built a full-stack data pipeline (Python, DuckDB, dbt) simulating a FinTech product's user base, with 20 automated schema and data-integrity tests. Conducted funnel and cohort analysis in Amplitude, and published an interactive Tableau dashboard with prioritized A/B testing recommendations. Documented specific tool limitations and workarounds (Tableau Public's connectivity restrictions, Amplitude's data window) directly in the project's technical documentation.

### HCAHPS Hospital Patient Experience Sentiment Analysis:

Built a data pipeline analyzing the CMS HCAHPS national patient-experience survey dataset, mapping categorical survey responses to sentiment labels via a domain-knowledge lookup table, then aggregating and normalizing negative sentiment by state per capita. Built a supervised NLP text classifier (Bag-of-Words + SVM) as an extensible baseline.

### Student AI Dependency & Burnout Risk Classifier:

Trained a logistic regression classifier (68% accuracy) to predict student AI dependency and burnout risk from behavioral and usage data.

### Computer Vision Preprocessing Pipeline:

Built a Python pipeline that converts raw image batches into model-ready RGB tensors with reproducible, class-balanced train/test splits (CIFAR-10 dataset).

## EDUCATION & TRAINING

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### AI Developer Fellow | The Tech Academy

2025 – 2026

Accelerated full-stack training in software engineering fundamentals (Git, JavaScript, SQL and databases), machine learning, neural networks, deep learning with TensorFlow and PyTorch, natural language processing, chatbots, and applied API integration.

### Google AI Professional Certificate | Google

2026

Training in applying generative AI (Gemini) to real work tasks: prompting frameworks, responsible AI use, AI-assisted research and writing workflows, data analysis in Google Sheets, and building and deploying custom apps and tools.

### MA in Information Technology | Kaplan University

### BA in Business Marketing | Indiana State University

## TECHNICAL SKILLS

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- **Programming:** Python, SQL, JavaScript, TypeScript
- **AI & LLM Tooling:** Anthropic Claude API, Google Gemini, locally-hosted LLMs (Qwen via LM Studio), AllenAI OCR, Voyage AI embeddings, RAG and vector search, prompt engineering, AI-assisted development
- **Data Engineering:** ETL/ELT pipeline design, data transformation, data modeling, dbt, data quality validation
- **Machine Learning:** scikit-learn, logistic regression, computer vision preprocessing, feature engineering, model evaluation
- **Automation & Integration:** Microsoft Power Automate, Microsoft Graph API, Power Query, REST API integrations, QODBC
- **Frameworks and Libraries:** Next.js, React
- **Databases:** DuckDB, relational database fundamentals
- **Analytics:** Tableau, Amplitude, advanced Excel
- **Business Systems:** QuickBooks (Desktop & Online), BambooHR, ADP, Crosslink Tax Software, role-based access control
- **Tools:** VS Code (with GitHub Copilot), Git, GitHub, Vercel
- **Documentation & Enablement:** SOP writing, root-cause documentation, technical-to-non-technical translation, end-user training