Mat Niznik

Long Beach, CA

Automation Engineer | AI Workflows

mniznik.com/automation | linkedin.com/in/matniznik | github.com/mattniznik

SUMMARY

Automation Engineer who finds the manual, repetitive, error-prone work in a workflow and puts AI and reliable pipelines behind it: AI for the first pass at scale, scheduled pipelines for cadence, and a human on the decisions that carry real stakes. Built in production across grading and compliance pipelines, scan-to-value flows, and trial-to-paid funnels.

TECHNICAL SKILLS

Automation	Workflows, Cron / Schedulers, Pipelines, Batch jobs, Webhooks, SMTP / Email
LLMs	Anthropic Claude, Prompting, Structured output, Human-in-the-loop
Integrations	REST APIs, Webhooks, SMTP / Email, Stripe, RevenueCat, Shopify API, Populi API
Reliability	Idempotency, Retries, Observability, Reconciliation, Human-in-the-loop
Databases	MongoDB, PostgreSQL, MySQL, Elasticsearch, Redis, Firestore, Data modeling
Cloud & DevOps	AWS (EC2, S3, Lambda), Firebase, Git / GitHub, CI/CD (GitHub Actions), Nginx, Gunicorn

Core competencies: Automation · Pipelines · LLM · Anthropic Claude · Webhooks · Idempotency · Human-in-the-loop · Integrations

EXPERIENCE

Founding Software Engineer · MintCollect

Remote · 2026

- **Implemented client-side caching, navigation flows, and analytics instrumentation to drive data-informed UX iteration in a fast-paced, agile startup environment.**
- Rebuilt the iOS and Android app in React Native and TypeScript from its first week and became its only app engineer, shipping 22 versions in seven months for an app with 85K+ accounts.
- Architecting and building a cross-platform React Native (Expo) application from the ground up for a trading-card data and marketplace platform, owning all front-end architecture decisions.
- Designed a modular, strongly-typed component architecture with centralized state management and a REST API integration layer backed by a Python service.

Stack: React Native, TypeScript, Expo, REST APIs, Python, Git / GitHub

Founder & Developer · Niznik Studio

Remote · 2020-Present

- **STNDOUT, an AI-driven LinkedIn personal-branding tool with automated content generation, co-founded with partners in Germany and Serbia.**
- Independent development studio building AI-powered tools and startup MVPs end to end, from architecture and backend services to deployment.
- CoThink.AI, an AI-powered EdTech platform that helps faculty redesign assignments for AI-enhanced learning, with rubric-anchored grading; built with React and Python.
- Consulting arm advising clients on startup development, GTM strategy, game production, IT project management, and product strategy.

Stack: React, Python, Anthropic Claude

Adjunct Professor, Computer Science & Software Development · Bethesda University of California 2024-Present

- **Automated grading and attendance-compliance for Bethesda University of California as a weekly cron pipeline, fetching from the Populi API, AI-drafting rubric-anchored grades, auditing attendance, and emailing professors, with a human approving every grade.**
- Designed a project-based curriculum integrating modern AI tooling into the engineering workflow, and led faculty AI training for 6 department chairs on AI-assisted assignment design and evaluation.
- Teach Mobile Application Development (JavaScript, React Native), Web Development (HTML/CSS, JavaScript, Python, Django, Flask, SQL), Introduction to Programming (C, Python, Data Structures), and Cross-Platform Design (Unity, C#).
- Built a weekly grading pipeline for 10 course sections: it pulls submissions from Populi, Claude drafts rubric-anchored grades, and a professor approves every grade before it counts.

Product Manager (Technical) · Zippia, Inc. 2024-2025

- **Designed an automated apply pipeline that submitted tailored applications to matched roles on a user's behalf at scale, with a human-in-the-loop review before high-stakes submissions.**
- Drove product decisions through backend data analysis across MongoDB, Elasticsearch, GA4, Clarity, and JSON structures.
- Improved product iteration efficiency by 42% by introducing a structured testing framework.
- Reduced resume-builder user drop-off by 17% by diagnosing and resolving a UX bottleneck through session-replay analysis.

Stack: MongoDB, Elasticsearch, GA4

CTO / Lead Developer · SentiKits Remote · 2025-2026

- **Implemented in-app subscription logic and integrated the Shopify API to power an embedded commerce experience.**
- Co-leading mobile development for a wellness app paired with physical product kits; defining the React Native app architecture and release workflow.
- Built the reflection-kit, journaling, and real-time community features on a fully serverless Firebase backend, shipping iOS and Android from one React Native codebase.

Stack: React Native, TypeScript, Node.js, Shopify API

IT Project Manager (Technical) · Taycor Financial, Inc. 2022-2023

- **Led migration from a 20-year-old legacy CRM to Salesforce, mapping every company process, managing integrations, and training staff, substantially improving operational efficiency and data management.**
- Authored product requirements and UI/UX mockups for a customer-facing mobile application.
- Liaison between business stakeholders and technical teams, defining scope, objectives, and deliverables, and developing new product concepts alongside the CEO.
- Supported sales and marketing strategy with UI/UX mockups and product demos tailored to client personas.

EDUCATION

M.Sc. Computer Science — Westcliff University Irvine

Master of Business Administration (GPA 3.91) — Bethesda University of California

M.Sc. E-Business — SGH Warsaw School of Economics

BBA, Management (Trade & Marketing) — Poznan University of Economics

LANGUAGES

English (Fluent)