Mat Niznik

Long Beach, CA

Full-Stack Software Engineer | Backend & Web

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SUMMARY

Backend-leaning Full-Stack Software Engineer with 10 years shipping production web and mobile. I design and ship scalable, typed, tested services and REST APIs in Node.js/Express, Python, Flask and Django, backed by PostgreSQL and AWS, and move fluently from data model to API to the React / React Native client that consumes it. I care about correctness, clean architecture, and performance.

TECHNICAL SKILLS

Languages	JavaScript (ES6+), TypeScript, Python, SQL, C#, C / C++, HTML5, CSS3
Backend	Node.js / Express, Flask, Django, FastAPI, REST API design, SQLAlchemy, Authentication & RBAC
Databases	MongoDB, PostgreSQL, MySQL, Elasticsearch, Redis, Firestore, Data modeling
Cloud & DevOps	AWS (EC2, S3, Lambda), Firebase, Git / GitHub, CI/CD (GitHub Actions), Nginx, Gunicorn
Frontend	React, React Native, Expo, Redux, React Navigation, Tailwind CSS, Vite, Responsive UI/UX
Testing & Analytics	GA4, Microsoft Clarity, WebdriverIO, pytest, Sentry, A/B Testing, Data-driven UX

Core competencies: REST API · TypeScript · Node.js · Express · Python · Flask · Django · PostgreSQL · AWS · CI/CD

EXPERIENCE

Founding Software Engineer · MintCollect

Remote · 2026

- **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.

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

CTO / Lead Developer · SentiKits

Remote · 2025-2026

- **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.**
- Co-leading mobile development for a wellness app paired with physical product kits; defining the React Native app architecture and release workflow.

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

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

- **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#).**
- 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.

Founder & Developer · Niznik Studio Remote · 2020-Present

- **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.**
- Independent development studio building AI-powered tools and startup MVPs end to end, from architecture and backend services to deployment.

Stack: React, Python, Anthropic Claude

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

- **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.

Stack: MongoDB, Elasticsearch, GA4

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

- **Authored product requirements and UI/UX mockups for a customer-facing mobile application.**
- 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.

IT Project Manager (Technical) · xBerry R&D House 2019-2020

- **Delivered Szajna Snap, a tablet app with image-processing-based lens measurement integrated with an electronic ordering system; hit 40% of annual KPI in month one.**
- Owned product discovery for R&D clients in the tech and medical sectors: market research, end-user interviews, product vision, and a prioritized user-story backlog and roadmap.

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)