



SHANE SZARAPKA

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Portfolio: shane-szarapka.com

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Technical Skills

BI Tools: Power BI, Excel, PostgreSQL

Data Tools: SQL, Python, Java, Javascript

CRM/ERP: Salesforce, HubSpot, SAP, SYSPRO

Process Tools: Lucidchart, Visio,

Cloud Platforms: Microsoft Azure

Automation & APIs: Power Automate, PowerApps, FastAPI, REST API

Education

BCIT – Business Information Technology Management (BITMAN) Diploma

Specialization: **Enterprise Systems Management** | Graduation: 2025

Relevant Coursework: Business Analysis, Data Analytics, ERP Systems (SAP, SYSPRO), Accounting Systems, Agile Project Management, Cloud Technologies, Business Process Modeling

Certifications

- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Azure AI Fundamentals

Core Skills

- Requirements Gathering & Process Mapping, RAG models
- Data Analysis & Process Improvement
- Project Coordination (Agile & Waterfall)
- API Integrations & Automation (Power Automate, PowerApps)
- Stakeholder Communication & Collaboration
- Dashboard Creation & KPI Tracking
- Cloud Platforms (Microsoft Azure)

Professional Summary

I understand business because I've worked in it—sales, operations, project management. I understand technology and data because I build with it—Python, SQL, Azure, APIs. Now I connect the two—architecting technical solutions for messy real-world problems.

TECHNICAL PROJECTS:

TalkToBlueprint — *AI-Powered Construction Document Intelligence*

Full-stack system that transforms PDF blueprints into queryable spatial databases. Users upload construction drawings and ask natural language questions—returns verified answers with visual highlighting on the actual drawings.

- **Stack:** Python, FastAPI, GPT-4 Vision, Azure Blob Storage, PostgreSQL, React
- Built PDF extraction pipeline processing coordinate data across multi-page drawing sets
- Achieved 5-15x performance improvement over OCR-based methods using vision-first detection

AI Portfolio System — *shane-szarapka.com*

Interactive portfolio with RAG-powered chatbot. Visitors ask questions and receive grounded answers from a vector-indexed knowledge base—no hallucinations, just verified context.

- **Stack:** Next.js, FastAPI, PostgreSQL + pgvector, GPT-4, Azure (7 services)
- Designed 16-table database schema with vector embeddings for semantic search
- Configured CI/CD pipelines with GitHub Actions for automated deployment

EXPERIENCE:

Business Development Representative

Active Releaf Wellness Inc. | Burnaby, BC | 2021–2023

- Prospected new wholesale accounts through cold outreach, industry trade shows, and strategic networking, expanding distribution footprint into new retail channels
- Delivered 18% YoY revenue growth; recovered underperforming accounts with targeted plans
- Coordinated with manufacturing and logistics teams to align production with sales forecasts
- Conducted quarterly business reviews presenting sales trends and reorder strategies

Independent Airbnb Portfolio

Vancouver & Burnaby, BC | 2016–2019

- Managed 7-property short-term rental portfolio, optimizing pricing and operations
- Analyzed booking data to implement dynamic pricing—increased nightly revenue 22% YoY

Project Manager

Versatility Contracting | Metro Vancouver | 2013–2017

- Managed 5 concurrent high-rise maintenance projects across Metro Vancouver
- Scoped requirements and coordinated with building managers, contractors, and inspectors
- Built centralized database for site logs and reports, replacing fragmented email threads