ENPU YOU

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EXECUTIVE SUMMARY

Backend Software Engineer with 3+ years of experience engineering production-scale distributed systems, including high-throughput ingestion pipelines and multi-tenant API services for enterprise SaaS. Currently specializing in the architectural integration of LLMs and agentic workflows to solve complex business logic challenge, with cross-functional background in small business leadership to drive alignment and reliable, customer-centric software.

WORK EXPERIENCE

ScienceLogic, Software Engineer   **Reston, VA**
Enterprise IT monitoring platform used by Fortune 500 companies such as Cisco   May 2021 – Sept 2024

Feature Ownership
- Designed and implemented core backend + supporting frontend components for Webhook Service, enabling 100+ enterprise customers, reducing integration time to under 15 minutes.
- Engineered backend services and UI workflow for time-series predictive alerting on ScienceLogic's multi-tenant Analytics SaaS platform; Contributed to high-throughput postprocessing and ingestion pipelines.

Security: Strengthened backend security and release quality through FedRAMP compliant dependency upgrades; implemented automated testing reducing validation time by 60% across core services.

Escalation: Resolved 80+ customer escalations through root-cause analysis and bug fixes, reducing repeat incidents by 30%; frequently served as point of contact during production incidents.

Cross-functional: Collaborated closely with PMs, Data Scientists, and Customer Engineering teams in system design reviews across backend and cloud pipeline components.

dv Suzhou, Record Store/Wine Bar Manager   Oct 2024 – June 2025 | **Suzhou, China**
- Managed inventory, partnerships, and artist logistics; contributed to a 30% revenue increase.
- Organized 40+ cultural and music events featuring international artists with a focus on East and South Asia.

Creative Coffee & Supply, Co-Owner   Mar 2022 – June 2024 | **Pittsburgh, PA**
- Organized Led strategy, programming, and partnerships with $12K monthly revenue; Organized 50+ community events; Collaborated with city officials to launch legislation for a city-wide Crisis Support Program.

SKILLS

- AI/ML: LLM integration, pgvector semantic search, prompt engineering, multi-agent orchestration, MCP, n8n
- Programming: Python, Java, SQL, PHP, JavaScript/TypeScript, R.
- Frameworks/Systems: Docker, Kubernetes, Helm, PostgreSQL, AWS, FastAPI, Django, React, Celery, Redis, Git.

EDUCATION

University of Washington – Michael G. Foster School of Business   **Seattle, WA**
Master of Science in Information Systems (MSIS)   In Progress

Allegheny College   **Meadville, PA**
Bachelor of Science, Computer Science & Classical Piano, Phi Beta Kappa   Aug 2017 – May 2021

PROJECTS

sed.i — AI-Native Read-It-Later Platform (Link)   Dec 2025 – Present
FastAPI, Next.js, Postgres/pgvector, Redis, Celery, OpenAI API, Railway/Vercel
- Shipped full-stack, production-deployed read-it-later platform: async ingestion pipeline; LLM-generated embeddings for tagging & semantic retrieval; ML pipeline for PDF extraction; Chrome extension support.
- Built cross-article highlight connection system using scheduled cosine similarity comparisons across user's full highlight corpus; empirically tuned similarity threshold to surface meaningful insights.

Commute Routing Orchestrator — Multi-Agent System   Feb 2026
n8n · OpenAI GPT-4o-mini · Google Calendar/Maps · Uber API · MCP
- Designed 3-subagent + orchestrator architecture (weather, routing/pricing, calendar context) running in parallel; synthesized via LLM decision engine. Exposed as MCP tool consumed by Claude Desktop — enabling natural language commute planning across 5+ live APIs in a single message.