

# NOLAN LEMUEL AUGUSTINE

AI Engineer | Cloud Systems Administrator | SecDevOps Professional  
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## PROFESSIONAL PROFILE

Versatile technology professional with 8+ years in IT support, operations, and systems administration, now driving toward advanced AI engineering and SecDevOps leadership. Blending Microsoft Azure expertise with hands-on AI development, I design secure, scalable, and intelligent systems — from locally hosted reasoning engines to cloud-native pipelines. Currently preparing for the Microsoft AI-102 Azure AI Engineer Associate exam (29 November 2025) while building multiple AI-driven projects, including the AI-102 Study Journey Website.

## CORE TECHNICAL SKILLS

Programming & Scripting: Python, JavaScript (ES6+), Node.js, PowerShell  
Frontend & UI: React, Vite, Tailwind CSS  
Cloud & DevOps: Microsoft Azure (VMs, Networking, Security), Cloudflare Workers, Durable Objects, GitHub Actions, Ngrok  
AI & ML: LLM integration, LangChain, fine-tuning, local-first AI architectures  
System Administration: Active Directory, Windows Server, VPN, endpoint security  
Other: CI/CD pipelines, drift/hallucination safeguards, meta-cognitive protocols

## CERTIFICATIONS

Certification	Issued	Status / Notes
Microsoft Certified Azure Administrator Associate (AZ-104)	Dec 2023 (Renewed Jun 2026)	Valid through Dec 2026
Microsoft Certified Azure Fundamentals (AZ-900)	Oct 2023	Active
Microsoft Certified Security, Compliance & Identity Fundamentals (SC-900)	Dec 2023	Active
Microsoft Certified Azure Data Fundamentals (DP-900)	Jan 2025	Active
Microsoft Certified Azure AI Engineer Associate (AI-102)	Scheduled 29 Nov 2025	In progress
Microsoft Certified Cybersecurity Architect Expert (SC-109)		Prerequisites underway
Microsoft Applied Skills Credentials	Ongoing	Azure Security, SIEM with Sentinel, Defender for Cloud, Secure Netw
IBM SkillsBuild Digital Credentials	Completed	Cybersecurity, Cloud, AI Fundamentals, Agile, Design Thinking
Cisco Networking Fundamentals	Completed	Packet Tracer basics

## SELECTED PROJECTS

### AI-102 Study Journey Website — Lead Developer & AI Workflow Designer

Tech: Python, Vite, React, Node.js, JavaScript, Tailwind CSS  
Designed and deployed an interactive AI-assisted learning platform for Microsoft AI-102 certification preparation. Integrated AI-powered content modules, progress tracking, and dynamic styling for an engaging learning experience.

### Reviviscere Engine — Architect & Lead Systems Developer

Tech: Node.js, Cloudflare Workers, Durable Objects, Ollama, Ngrok, PowerShell, LangChain, R2, D1, GitHub Actions  
Built a multi-agent reasoning engine simulating neural-like collaboration between AI agents. Engineered real-time memory orchestration, hallucination/drift safeguards, and meta-cognitive reflection protocols.

### Philosophy Dialogue App — AI Reasoning Model Designer & Builder

Developed modular reasoning architecture enabling dialogue simulations with historical philosophers. Implemented ethical toggles, challenge-response logic, and drift-resistant testing aligned to philosophical rigor.

### SYSlearn Engine — Lead AI Systems Developer

Tech: Python, PowerShell, Azure CLI, Azure Language Service  
Created a self-evolving Windows automation framework combining heuristics, telemetry, and autonomous ML.

### ColdCoffee Journaling App — Product Designer & AI Workflow Engineer

Built local-first, privacy-focused journaling system with temporal linking and semantic memory surfacing.

### AI Thesis: The Journey of Artificial Intelligence — Lead Researcher & Author

Authored a deep research thesis tracing AI from philosophical origins to modern LLMs, producing multi-audience training tracks.

## **PROFESSIONAL EXPERIENCE**

### **Operations Manager – JD Kustom (2017–2023)**

Directed operations, HR, logistics, and client relations; boosted production efficiency by 40% and digital engagement by 35%.

### **Stores Manager – YNF Engineering (2015–2016)**

Reduced operational costs and waste by 15% via improved stock control and budgeting.

### **Production Supervisor – Marble Gold Food Technology (2014–2015)**

Achieved company's first 24-hour continuous production run.

### **IT Administrator – iWyze IT (Mutual & Federal) (2012–2014)**

Managed 400+ IT tickets/month; improved resolution times by 60%; administered Active Directory and Windows Server systems.

### **Support Desk Technician – Nomad Information Systems (2009–2012)**

Led ticket resolution rate, improved support efficiency by 45%, and created SOP documentation for recurring issues.

## **EDUCATION**

National Senior Certificate, 2022