

MIGUEL VELEZ

Information Technology specialist with over 20 years of expertise in systems administration, cloud architecture, and AI engineering. Proficient in Microsoft Azure, Python, Agentic AI, LLM orchestration, workflow automation, prompt engineering, full-stack development, DevOps, cybersecurity, and network administration.

EXPERIENCE

Systems Administrator & AI Engineer, 02/2014 - Current
Fire Safety Alarms, Inc. - Jersey City, NJ

- Architected secure Microsoft Azure cloud infrastructure with zero trust networking, VPN configuration, and hybrid environment integration.
- Developed full-stack SharePoint inventory management application with automated data pipelines and RESTful API integration.
- Built CI/CD workflow automation pipelines using Microsoft Teams and Power Automate for version control, automated notifications, and process optimization.
- Built advanced report generation and data analytics tools for Edwards EST fire alarm systems using Python scripting.
- Resolved complex hardware, software, and network infrastructure issues across Windows, Linux, and macOS environments.
- Developed Python-based agentic AI workflows, LLM orchestration pipelines, and RAG-enabled knowledge bases to build custom internal automation tools.

IT Consultant, 08/2010 - 10/2014

Independent Freelance - Brooklyn, NY

- Delivered IT consulting services specializing in systems administration, network security, and cybersecurity assessments for various clients.
- Deployed and configured server hardware, operating systems, and enterprise applications including network engineering and custom software solutions.

System Administrator, 05/2004 - 06/2010

Bentax Tax Services, Inc. - Brooklyn, NY

- Engineered Windows Server infrastructure supporting 60+ client workstations with optimized Drake and QuickBooks environments.
- Engineered full-stack client management applications using HTML, CSS, JavaScript, PHP, Linux, Apache, and MySQL (LAMP stack).
- Administered network services, provided technical support, and maintained financial management software systems.

CERTIFICATIONS

- National Institute for Certification in Engineering Technologies
- New York City Fire Department Fire Alarm Systems Technician
- Edwards System Technology Fire Alarm Systems Programmer
- Fire Department of New York Expeditor
- New York City Buildings Department Expeditor
- Construction Safety and Health, Hazard Recognition Training



CONTACT

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SKILLS

- Cloud Architecture (Azure / Docker)
- Python, JavaScript, HTML, CSS, PHP, SQL, C/C++
- Linux, Windows, macOS, Unix
- Full-Stack Development
- Network Administration & Cybersecurity
- Agentic AI & LLM Orchestration
- Prompt Engineering, Claude Code
- RAG Pipelines & Vector Databases

EDUCATION

Information Technology

**Bronx Community College of
The City University of New York**
the Bronx, NY

Partially completed undergraduate program. Pursued internship and hands-on training in the information technology industry.

Information Technology

**Robert F. Wagner – Arts &
Technology High School**
Queens, NY

Participated in the sponsored
Introduction to C Class at the M.I.T.