

# Caleb D. Jones

Central Ohio ♦ [linkedin.com/in/CaleJones](https://www.linkedin.com/in/CaleJones)

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## **EDUCATION**

**Syracuse University**, Syracuse, NY

Master of Science in Computer Science

Expected Graduation: Summer 2026

**DeVry University**, Columbus, OH

Bachelor of Science in Electronic Engineering Technology

Graduated: August 2013

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## **TECHNICAL SKILLS**

**Languages & Scripting:** C#, C++, Java, JavaScript, Python, Bash, Assembly

**Web & Cloud:** CSHTML, HTML, XML, Full Stack Web Development, Microsoft Azure, Google Firebase

**Databases:** SQL, MySQL, MySQL Workbench, Redis

**Containers & Distributed Systems:** Docker

**Data Science & Machine Learning:** scikit-learn, pandas, matplotlib, Jupyter Notebooks, TensorFlow, PyTorch

**Security & Reverse Engineering:** Wireshark, Penetration Testing, Ghidra, Linux Tools (grep, etc.)

**Development Tools & Platforms:** Gitlab, Github, Gerrit, Visual Studio, IntelliJ, Android Studio, Microsoft Teams

**Operating Systems:** Windows, Unix/Linux, Android OS

**Other:** Quality Assurance, Selenium, Cloud Development, NLP/LLM Concepts

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## **PROFESSIONAL EXPERIENCE**

**Licking County Auditor**, Newark, OH

**Data and Software Architect (.NET)**

July 2019 - Present

- Lead design and development of public-facing and internal applications (Razor, Blazor, WPF, LINQ, Entity Framework)
- Develop and maintain Blazor-based checkout system processing 5,500+ transactions annually and \$235K in program revenue
- Build Python tools to analyze and visualize property sales, pricing, and financial trends, including predictive ML analysis of home values.
- Conduct penetration testing and implement secure coding practices across internal applications
- Provide end-user training and first-line support; automate data workflows using Windows services and SFTP
- Integrated Forte payment system with public-facing web application to securely process online financial transactions
- Drive adoption of Microsoft Teams for development workflows, reducing cycle time and improving issue tracking

**Honda Research and Development**, Raymond, OH

**Infotainment (Head Unit) Software Developer**

April 2017 - July 2019

- Developed software specifications for Honda/Acura infotainment systems with emphasis on functionality and security

- Led penetration testing efforts and coordinated Bugcrowd bug bounty program management
- Performed reverse engineering and software validation to ensure secure, reliable mass production systems
- Partnered with suppliers and internal teams to align software development with business needs
- Produced detailed testing, QA, and security reports for leadership and regulatory compliance

**IBM, Dublin, OH**

**QA Software Engineer (eCommerce B2B Cloud Software)**

January 2014 - March 2017

- Conducted comprehensive QA (integration, system, regression, performance) for IBM eCommerce cloud platforms
- Developed Selenium automation scripts to crawl and test dynamic B2B eCommerce web applications
- Automated test data generation with Bash scripting, supporting functional, regression, and performance testing of cloud-based eCommerce application
- Authored and reviewed technical documentation to ensure high quality and secure software releases
- Installed and configured cloud software builds on Linux servers, enhancing test and production pipelines
- Deepened expertise in Linux-based systems, automation, and cloud deployment

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**ADDITIONAL EXPERIENCE & PROJECTS**

**Freelance Developer**

2022 - Present

- Design and develop custom Azure-based solutions for small businesses to enhance operations and digital services
- Leverage Azure tools (SQL Server, Key Vault, Web Apps) for secure, scalable deployments

**Financial Data Mining and Trading Project**

**Personal project** - Data Engineering & ML

2020 - Present

- Implement Linux-based data pipeline ingesting real-time financial and social sentiment data
- Develop automated Python and Bash scripts for data ingestion and analysis
- Apply data science and machine learning techniques (scikit-learn, pandas, matplotlib, TensorFlow, PyTorch) for predictive modeling and visualization
- Utilize Jupyter Notebooks for exploratory data analysis and model development

**United States Marine Corps**

**Sergeant (E-5),** Air Traffic Control Communication Technician (5954)

March 2006 – March 2011

- Maintained, tested, and repaired air traffic control communications systems in support of military aviation operations
- Led small team of Marine technicians, ensuring readiness and compliance with operational standards