

Nathan A. Smith, FLMI

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Summary

Seasoned IT professional with 15 years of experience specializing in enterprise IT across mainframe, distributed, and cloud platforms. Adept at leading teams, developing solutions for complex problems, and quickly learning new skills and technologies. Completing a Master's in Cybersecurity at Georgia Tech in December 2024, with a keen interest in understanding policy challenges and developing strategies to defend against online adversaries. Seeking to leverage my IT expertise in a Security Architect role to help develop security infrastructure and strategy.

Education

- Georgia Institute of Technology | Atlanta, GA
Master of Science | Cybersecurity | December 2024
- Dalton State College | Dalton, GA
Bachelor of Science | Management Information Systems | May 2009
- Dalton State College | Dalton, GA
Associate of Science | Business Administration | December 2007

Key Skills

- **Security Skills:** Risk assessments, threat modeling, security controls, encryption, authentication, authorization, Role-based Access, Principle of Least Privilege, Privileged Access Management, Database Security.
- **Technical Skills:** Proficient in COBOL, C, REXX, and Python; database platforms such as IMS, Db2 for z/OS, MySQL, MongoDB, and Oracle; experience with cloud platforms including Amazon Web Services (AWS), Microsoft Azure, and Oracle Cloud Infrastructure (OCI).
- **Consulting Skills:** Problem-solving, strategic planning, project management, and business analysis.
- **Soft Skills:** Excellent written and verbal communication, critical thinking, self-confidence, quick learning, and networking across and outside organizations.

Experience

February 2024 – Present

Cyber Resiliency Strategy and Operations Management | Kyndryl | Atlanta, GA

As part of Kyndryl's Cyber Resilience program, I work alongside our customers to forge a robust cyber resiliency strategy, significantly enhancing their ability to tackle cybersecurity threats. My role involves deep collaboration with cross-functional teams, bridging Kyndryl and the customer to assess and optimize the functionality of essential business systems. My focus includes refining our backup strategies and pinpointing the critical systems vital for the customer's operations, ensuring they can maintain their minimum viable company (MVC) during crises. Leveraging my technical background in cloud and mainframe platforms, I play a pivotal role in steering conversations and decisions that align with our strategic goals, ensuring that we effectively meet our program milestones.

August 2017 – Present

Senior Lead, Database Administration | Kyndryl | Atlanta, GA

In my role as Senior Lead in Database Administration, I have led initiatives to enhance database security, including implementing encryption, access controls, and regular security audits. I developed and maintained security policies and procedures for database management, ensuring compliance with industry standards and regulations. I collaborated with the cybersecurity team to identify and mitigate potential security threats to the database infrastructure. Additionally, I conducted risk assessments and vulnerability scans to identify and address security weaknesses in the database environment. My experience in administering the Elevance Health InfoSphere Data Replication (IIDR) environment allows me to consult with data consumers and help build solutions to meet the needs of their applications. I am an advocate of the mainframe, working with systems programmers and application architects to push for modernized interfaces and open-source tools, including Zowe, on the mainframe.

May 2014 – August 2017

Database Administrator | Unum | Chattanooga, TN

As a Database Administrator at Unum, I implemented security measures for mainframe and distributed relational databases, including user authentication, authorization, and data encryption. I worked closely with the security team to ensure databases were protected against unauthorized access and data breaches. I participated in security incident response and remediation efforts, providing expertise on database security. I conducted regular security reviews and audits to ensure compliance with internal and external security standards. My collaboration with mainframe systems programmers brought modernization to the mainframe environment, and I conducted proofs-of-concept using Python to access data hosted in the IMS databases on the mainframe.

November 2016 – January 2019

Application Consultant | TextGov | Roswell, GA

At TextGov, I developed secure web-based applications, incorporating best practices for secure coding and data protection. I implemented security features such as encryption, authentication, and authorization in cloud-based applications. I conducted security assessments and code reviews to identify and address potential vulnerabilities in applications. My role allowed me to expand my knowledge in cloud technologies, specifically those hosted on Amazon Web Services (AWS), and work with platforms for natural language processing. I developed expertise in web-based technologies like PHP, JavaScript, and Node.js to design a real-time chat solution between customers and court clerks.

May 2009 – May 2014

Programming Analyst | Unum | Chattanooga, TN

As a Programming Analyst at Unum, I maintained mainframe-based insurance administration applications by fixing defects and writing COBOL code to modify and add new insurance products to the system. I worked with knowledgeable, seasoned mentors to expand my technical and business knowledge. My experience also allowed me to consult with business partners to explain the current state of functionality of mainframe applications. I was introduced to the mainframe and developed a strong foundation in mainframe security concepts and practices.

Designations, Activities, and Awards

- ISC2 Certified in Cybersecurity, Earned in February 2023
- Mainframe Modern Specialist – Foundation, Earned in March 2023
- Modern Mainframe Advocate – Foundation, Earned in March 2023
- IBM z/OS Mainframe Practitioner by IBM on Coursera, earned in May 2020
- IBM Cloud Essentials, Earned in November 2020
- Mainframe Specialist – REXX Programming – Experienced, Earned in November 2020
- DevSecOps Essentials, Earned in April 2021
- Fellow, Life Management Institute, Designation, Earned in September 2013
- Associate, Life Management Institute, Designation, Earned in June 2012
- Walker County Chamber of Commerce’s “40 Under 40” Award, 2013
- [Credly Badge Profile](https://tx0.org/2n/1): <https://tx0.org/2n/1>
- Member, IEEE