

# William Callahan

## SENIOR CLOUD SOFTWARE ENGINEER

### CERTIFICATIONS

AWS DevOps Engineer - Pro  
AWS Security - Specialty  
AWS Solutions Arch - Assoc  
AWS Developer - Assoc  
AWS Cloud Practitioner  
GCP Cloud Digital Leader  
Azure Fundamentals

### LANGUAGES

C#	■	■	■	■	■
Python	■	■	■	■	■
JavaScript	■	■	■	■	■
Java	■	■	■	■	■
TypeScript	■	■	■	■	■
Clojure	■	■	■	■	■
CSS/SASS	■	■	■	■	■
C/C++	■	■	■	■	■

### SKILLS

- AWS
- SQL
- NoSQL
- REST
- DevOps
- Docker
- IaC

### CONTACT

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### SUMMARY

Cloud Software Engineer with ten years of experience designing and implementing scalable, high-performance multi-cloud architectures. Proven ability to lead cross-functional teams to deliver mission-critical solutions of complex applications while improving security and reducing costs.

### EXPERIENCE

#### Senior Cloud Software Engineer

ThorTech Solutions Jan 2018 - Present

- Led cross-functional clients in health, government, and media sectors on designing and implementing multi-cloud solutions, ensuring security, durability, and scalability
- Reduced batch execution times by 90%, accelerating time to market from hours to minutes for multiple clients
- Optimized live election API performance, ensuring consistent sub-200ms latency while querying large dynamic datasets
- Redesigned US election survey platform, improving model accuracy and accelerating live election publishing
- Reimagined company CI/CD pipeline processes to reduce build times by 60%
- Architected distributed systems using AWS Lambda, ElastiCache, RDS, MSK, ECS, Kinesis, ELB, SQS, EC2, SSM, OpenSearch, and VPCs
- Reduced cloud Operational costs per client by 15% on average

#### Squad Leader

Army National Guard Sep 2013 - Sep 2022

- Led an eight-soldier squad, providing training, direction, and development for successful overseas deployment in support of Operation Enduring Freedom (OEF)
- Oversaw the execution of missions and maintained high morale and discipline within the squad

#### Software Engineer

United Nations Office for Disarmament Affairs Aug 2016 - Dec 2017

- Collaborated with stakeholders to define requirements for a dynamic forms application, leveraging Django, React, and MySQL
- Designed and implemented a scalable architecture to support global efforts in tracking illicit firearms trade

#### Software Engineer Team Lead

Western Connecticut State University Mar 2015 - Jan 2017

- Chaired the first student-led software development team at WCSU
- Mentored fellow engineers in Java, Spring, Oracle, MSAD, and JBoss to build a university operations management website

### EDUCATION

#### M.S. in Data Science

Stevens Institute of Technology Jan 2025 - Present

#### B.S. in Computer Science, Minor in Security

Western Connecticut State University Aug 2012 - Dec 2016