

# Michael D. Sambol

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## EXPERIENCE

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**Workday**, Remote December 2023 – Present

*Principal Software Engineer*

I lead a team of software engineers building and operating Workday's Adaptive Planning EPM software.

**Amazon Web Services**, Remote Aug 2022 – April 2023

*Principal Consultant*

I designed and implemented cloud-based software solutions for AWS customers in the federal finance segment.

**Intuit**, Remote Dec 2019 – July 2022

*Staff Software Engineer*

I helped build a platform for analyzing voice and chat customer interactions with the Speech and Text Analytics team.

Previously, I built and managed Intuit's data lake with the Intuit Data Platform team.

**Amazon Web Services**, Remote Dec 2018 – Dec 2019

*Senior Consultant*

*Cloud Architect*

I designed and implemented cloud-based software solutions for enterprise AWS customers.

**IBM**, Austin, TX & Omaha, NE Aug 2014 – Apr 2017

*Software Engineer*

I developed, deployed, and operated the centralized logging and monitoring systems for IBM Cloud.

## YOUTUBE

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**Computer Science Tutorial Videos** Oct 2012 – Present

I have a [YouTube channel](#) and [code](#) covering computer science that has 100K subscribers and 16.75M views.

## PUBLICATIONS

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[Provisioning the Intuit Data Lake with Amazon EMR, Amazon SageMaker, and AWS Service Catalog](#)

- AWS Big Data Blog, November 2019

[Trigger cross-region replication of pre-existing objects using Amazon S3 inventory, Amazon EMR, and Amazon Athena](#)

- AWS Big Data Blog, May 2019

### [Technical Blog](#)

- I write about problems I encounter in industry, or ones I've concocted to experiment with new technology.

## EDUCATION

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**Georgia Institute of Technology**, Atlanta, GA Aug 2013 – May 2014

- Master of Science in Computer Science, 4.0

**Georgia Institute of Technology**, Atlanta, GA Aug 2010 – May 2013

- Bachelor of Science in Computer Science, 4.0

## CERTIFICATIONS

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AWS Certified Security	May 2018, April 2021	AWS Certified Cloud Practitioner	Jan 2018
AWS Certified Solutions Architect Pro	Jun 2017, Dec 2020	AWS Certified Big Data	Jan 2018
AWS Certified Database	June 2020	AWS Certified SysOps Administrator	May 2017
AWS Certified DevOps Engineer Pro	May 2017, Mar 2020	AWS Certified Developer	Feb 2017
AWS Certified Alexa Skill Builder	May 2019	AWS Certified Solutions Architect	Jun 2016
AWS Certified Machine Learning	Mar 2019		
AWS Certified Advanced Networking	May 2018		

## PROJECTS

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**Bellino Fireworks Web Application** Aug 2021 – Present

I built [bellinofireworks.net](#) with Next.js, Tailwind CSS, and AWS (creds → readonly / huskers1995)

**Mobile App Development** Jun 2013 – Present

I built & published two iOS & Android applications: GT Hours and Bellino Fireworks ([iOS](#), [Android](#))

## SKILLS

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**Languages:** Python, Go, TypeScript, Swift/SwiftUI, JavaScript, Java, Objective-C, Bash, C, HTML, CSS, SQL, Visual Basic

**Platforms & Frameworks:** AWS, React, Next.js, Tailwind CSS, Linux, Windows, Mac OS X, IBM z/OS

**Development Tools:** Git, CDK, Terraform, Ansible, Docker, Chef, Jenkins, Packer, Vagrant, Subversion, Tmux