

Joanne Skiles, PhD

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[LinkedIn](#)

Hands on fullstack software engineering leader with more than 14 years of experience and 6 years in increasing leadership responsibilities. My passion is to solve problems that improve the lives of others, while also being an engineering leader who mentors and grows engineers.

Professional Experience

Rad AI - Director of Engineering, Reporting

February 2025 - Present

- Lead engineering efforts for Rad AI Reporting, a platform that automates radiology report generation using advanced AI.
- Oversee architecture, execution, and cross-functional collaboration across product, data science, and infrastructure to deliver scalable, clinician-friendly solutions.

Capital One - Senior Manager, Software Engineering

December 2022 - February 2025

- Architected and developed CapitalOne DataBolt, a multi-cloud B2B data security platform, leveraging Rust and C++ for high-performance processing.
- Orchestrated the successful delivery of technical proofs of concepts and guided evaluations to ensure optimal implementation and functionality.
- Spearheaded collaboration with the AWS AppSync team to architect and design a pioneering Capital One AppSync solution, fostering cross-team engagement and leading to its broad acceptance across the organization.
- Led and managed a diverse team of 12 engineers and 2 managers, fostering a collaborative environment to drive innovation and achieve strategic objectives.
- Designed a low latency (<15ms) GraphQL framework tailored for enterprise-level use at Capital One, supporting 10K TPS. This versatile serverless solution is capable of a seamless transition between Fargate and Lambda, enabling the framework to serve critical data products while efficiently capturing telemetry, logging, and other essential metrics.

Olive AI - Director, Software Engineering

November 2021 - December 2022

- Provided architectural and design guidance in developing the Olive Payer Organization while supporting the advancement of Olives Platform (Azure Devops, AWS Lambda, TypeScript, JavaScript, Vue, ReactJs, FHIR, .Net Core)
- Led the Olive Payer Prior Authorization & Automation organization which consisted of 30 engineers, including 3 managers who managed multiple teams working in an agile environment, to develop and launch new product features
- Provided architectural and design guidance in developing the Olive Platform and Console (November 2021 - July 2022) (NextJs, AWS Lambda, TypeScript, JavaScript, Go, RDF)
- Led part of the Olive Platform organization (November 2021 - July 2022) which consisted of 15 engineers, including three managers who managed multiple teams working in an agile environment, to develop and launch new platform features

AssistRX - Director, Software Development

August 2020 - November 2021

- Architected the design and solutions part of the AssistRx platform to assist doctors and patients to receive access to specialty medications (Angular, C#, Azure Functions, FHIR data exchange)

- Led an the AssistRx Client Project organization which consist of 15 onsite engineers and 12 oversea engineers, including 3 managers who managed multiple teams of engineers working in an agile environment to develop and launch new client projects based on the AssistRx platform
- Collaborated closely with product owners and project managers to understand feature requirements, provide development estimates, and establish realistic delivery timelines
- Collaborated directly with customers as a technical liaison in order to gather requirements, propose/architect new solutions, and respond to needs

Senior Technical Lead (Software Development Manager) - August 2020-March 2021

- Led the design and development of solutions to assist doctors and patients in receiving access to specialty medications, using Angular, CSS, and TypeScript for front-end development and C#, and T-SQL for back-end development, and FHIR for data exchange
- Led the design and development of Azure Functions to process data/perform tasks on demand
- Manage multiple teams of software engineers, structuring their roles and providing guidance to ensure their success and continued personal growth

Previous Experiences:

- **Florida Polytechnic University - Adjunct/Assistant Professor** (August 2019 - May 2021)
- **AssistRX - Lead Software Engineer** (October 2016-July 2019)
- **GolfNow - Senior Software Engineer** (September 2015 – October 2016)
- **Disney World – Shared Services - Software Engineer (Contractor)** (August 2014 – September 2015)
- **General Dynamics Information Technology - Web Developer** (November 2012 – August 2014)
- **Lockheed Martin Missiles and Fire Control - Programmer Analyst** (November 2010 – November 2012)

Technical Skills

Languages/Frameworks:

GoLang, Rust, C#, .NET Core, .NET, ASP.NET, Azure Functions, AWS Lambda, Angular, ReactJS, NextJs, Vue, JavaScript, TypeScript, C/C++, Java, SQL, DynamoDB, MongoDB, HTML, CSS

Software:

Visual Studio, Visual Studio Code, Eclipse, MuleSoft Products, Git, Kln, TFS, SQL Server,

Systems:

AWS, Azure, Windows, Linux, Kubernetes, Docker

Education

Florida Atlantic University	Doctor of Philosophy in Computer Science
	August 2017
	Master of Science in Computer Science
	May 2010
Florida Gulf Coast University	Master of Business Administration
	May 2010
	Bachelor of Science in Computer Science
	April 2009

Certifications

- AWS Certified Cloud Practitioner ([Issued Jan 2023](#))
- AWS Certified Solutions Architect – Associate ([Issued July 2023](#))

Community Involvement

- Organizer for Orlando AWS User Group and Orlando Lady Devs

- Speaker at various AWS Events
 - AWS Summit Toronto: [Build a Serverless API in Go \(September 2024\)](#)
 - AWS Summit DC: [AppSync By Example \(June 2023\)](#)
 - AWS re:Invent: [Let's write a Microservice using AWS Lambda \(or maybe not\) \(December 2022\)](#)
- Grace Hopper Celebration Speaker: "Demystifying Full Stack Development" (October 2024)
- Orlando AWS User Group Organizer (2022 - Present)
- Member of AWS Community Builders (2020 - Present)
- Created AWS Tutorials ([GitHub](#) | [YouTube](#))
- Created Introduction Series for C++ ([GitHub](#) | [YouTube](#))