

Mike McDonald

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Employment

Partner Solutions Architect	Amazon Web Services	December 2021 - Present
<ul style="list-style-type: none">• Collaboration with AWS partners to understand their business objectives and customer requirements, providing architectural guidance, troubleshooting support, and best practices recommendations• Conduct workshops, training sessions, and knowledge transfer activities to help partners build technical expertise and expand their capabilities• Identify and address technical challenges, risks, and potential issues related to solution implementation, scalability, performance and security of partner solutions• Containers specialist community member, serving as a subject matter expert for partners and customers seeking assistance with Kubernetes, EKS and ECS solution planning and implementation		

Technical Experience

Software Engineering Projects

- Assessment Management Internal Tooling (2023): React frontend and Lambda backend developed in Typescript. DynamoDB data storage to persist maturity assessment results for Partners, Assessment questionnaires and Partner data with single table design. Code hosted on private internal repository
 - Typescript, Lambda, DynamoDB, React
- [EKS Blueprints cluster and container workload \(2022\)](#): Infrastructure as code defined EKS cluster using EKS blueprints framework, Running a [Flutter frontend container](#) and [Python API backend container](#). Container images build and push to container registry automated through Github actions and deployed to the cluster with ArgoCD. CI/CD pipeline updating cluster configuration on changes to infrastructure repository.
 - EKS, ECR, Docker, Github Actions, Flutter, Python, S3, DynamoDB, ArgoCD, IaC
- [3 Tier Web Application](#) (2021). Java application backed by an SQL database, Spring Security for authentication and authorization, Tomcat 9 server on AWS EC2 instance, SSL enabled on custom domain name
 - Java, Spring (Core, MVC, Security), Hibernate, MySQL, Tomcat 9, Maven, Amazon EC2 & RDS

Education

Oregon State University	August 2021
<ul style="list-style-type: none">• B.S. in Computer Science, August 2021. GPA: 3.92• Undergraduate Coursework: Mobile Software Development, Algorithms, Data Structures, Parallel Programming, Databases, Web Development, Computer Architecture and Assembly, Computer Networks, Operating Systems	

Languages and Technologies

- Typescript, Java, Python, Dart, SQL, JavaScript, C, C++, HTML, CSS
- Linux, Containers, Docker, GitHub, Kubernetes, CloudFormation, AWS, EKS

Certifications

- AWS Certified Solutions Architect – Professional: Exp. Jun 2026
- Certified Kubernetes Application Developer (CKAD): Exp. Feb 2026
- Certified Kubernetes Administrator (CKA): Exp. Jan 2026