

Ash Isaac

Technical Leader in Cloud-native DevOps & Microservices

- Seasoned technical leader in DevOps for cloud/hybrid environments
- Architect for Serverless, Cloud-native/containerized microservices
- AWS Certified Solution Architect (Professional)

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📍 Minneapolis, MN

Employment: Cloud Architect at [MedNet Solutions](#).

Profile

- 10+ years in Software Engineering and technical leadership roles
- Amazon Web Services Certified Professional with experience in Enterprise SaaS solutions
- DevOps practitioner experienced in Serverless, Container Orchestration & Cloud-native microservices

Education

University of Madras, VIT

Bachelor of Electronics and Communications Engineering, 1991-1995

Certifications

[Amazon Web Services: Certified Solutions Architect \(Professional\)](#)

[Amazon Web Services: Certified Developer \(Associate\)](#)

[Amazon Web Services: Certified Solutions Architect \(Associate\)](#)

[MongoDB University: M101X - MongoDB & MEAN Stack](#)

Technical Reviewer: *Magento Extensions Development (J r mie Bouchet, June 2016)*
[Packt Publishing Limited](#)

Technical Skills

Practitioner of DevOps and Agile software development. Experienced in architecting scalable, resilient, secure systems on AWS using Docker & Microservices.

Amazon Web Services

Services: VPC, IAM, EC2, RDS, S3, Route53, ECS/Fargate/EKS, Lambda

Containers: Docker, Docker Swarm, Kubernetes, EKS, ECS/Fargate

Databases & Tools

Datastores: Postgres, MongoDB, DynamoDB, MySQL, MS SQL Server

SCM/Build: Bamboo, Jenkins, Stash, Git, Artifactory

Automation/ Tools: Terraform, Ansible, Puppet, Packer, Vault, Consul

Testing: JMeter, Karma, Jasmine, Selenium

Server-side

Java: Spring Boot

Node.js: Restify, Express, Hapi.js

PHP: Magento, Symfony, Slim

Frontend

Javascript: jQuery, KnockoutJS

Frameworks: Bootstrap, Zurb Foundation

Professional Experience

Cloud Architect

MedNet Solutions

Period: since Dec 2014

MedNet Solutions is a leading eClinical technology company offering a Cloud-based Enterprise Electronic Data Capture (EDC) SaaS eClinical platform

- Cloud automation on AWS (VPC, EC2, IAM, SQS, RDS, Route53, DynamoDB, S3, ECS/Fargate, SES, CloudWatch)
- Container orchestration (Docker Swarm/Kubernetes) using Puppet and Terraform
- DevOps pipeline using Bamboo/Jenkins with Ansible/Bash/Python
- Serverless applications using Node.js/API Gateway
- Microservices using Spring Boot/Docker/Node.js
- Enterprise SaaS migration and performance, load and chaos testing
- Cloud strategy, cost management, security and HIPPA compliance

Owner/Principal Engineer

Data-Worx Consulting LLC

Period: 2004 - 2014

I started a software consulting firm in 2004, offering data-driven software development services for design agencies and businesses.

- Launched BuyMage: Magento eCommerce integration the BuySeasons Direct® dropshipping program
- Architected MES applications for Production Scheduling and Shop Floor Management (Python/MySQL)
- Built TREK (.NET/MVC/WPF/SQL Server) a business application integrating with TigerPaw ERP
- Developed REST APIs for RE/MAX Cayman Islands
- Authored custom Magento extensions

System Analyst

CGI, Inc

Period: 1996 - 2002

- System Analyst and Team Lead
- Mainframe Business applications (DB2, Assembler, COBOL)
- **Clients:** Fingerhut Corp., EBSCO Subscription Services, DISCOVER/Novus Network Services

Staff Mentor

Segway/Campus Journey

Period: 2002 - 2014

- Mentoring international students in social entrepreneurship at the U of M (Twin Cities) campus