

Ash Isaac

Full-Stack Engineer

Cloud Engineer & Architect, AWS Certified Solution Architect (Professional)

Employment: Currently working at [MedNet Solutions](#) on an Enterprise SaaS software product.

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📍 Minneapolis, MN

Profile

- 10+ years in software engineering and technical leadership roles
- Amazon Web Services certified with experience in Cloud migration and Enterprise SaaS
- Experience with CI/CD, DevOps & Agile methodologies

Education

University of Madras, VIT

Bachelor of Electronics and Communications Engineering, 1991-1995

Certifications

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

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

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

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

Technical Skills

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

Amazon Web Services

Services: VPC, IAM, EC2, RDS, S3, Lambda
Automation/ Tools: Terraform, Docker/Swarm, Vault, Consul, Puppet, Packer

Server-side

Java: Spring Boot
Node.js: Restify, Express, Hapi.js
PHP: Magento, Symfony, Slim

Databases & Tools

Databases: Postgres, MySQL, MS SQL Server
SCM/Build: Bamboo, Jenkins, Stash, Git, Artifactory
Testing: JMeter, Karma, Jasmine, Selenium

Frontend

Javascript: jQuery, KnockoutJS
Frameworks: Bootstrap, Zurb Foundation

Professional Experience

Cloud Architect

[MedNet Solutions](#)

Period: since Dec 2014

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

- Automated building of environments on AWS using VPC, EC2, IAM, RDS, S3, SES
- Architected Docker Swarm clusters using Puppet and Terraform
- Built CI/CD pipeline using Bamboo
- DevOps scripting using Bash, Python and Ruby
- Developed of Java microservices using Spring Boot/Docker on AWS
- Migrated Enterprise SaaS application to AWS
- Guided Performance, Load and Chaos testing
- Delivered 10x PDF generation capacity using Node.js microservices
- Cloud strategy and cost management
- Cloud security and secret management using Vault

Consultant/Owner

[Data-Worx Consulting LLC](#)

Period: Since 2004

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](#)
- 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