

Ash Isaac

Full-Stack Engineer

Full-Stack Engineer with broad experience in e-commerce and enterprise software development.

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

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Profile

Versatile software developer with 10+ years experience in e-commerce, data-driven web solutions and enterprise software development. Known for technical depth, reliability and high-quality work.

Started a freelance software consulting firm in 2004, providing [creative software solutions](#) and end-to-end expert development and consulting services to design agencies, entrepreneurs and businesses.

Experienced as an Engineering tech lead and in managing the software development lifecycle.

Education

University of Madras, VIT

Bachelor of Electronics and Communications Engineering, 1991-1995

Technical Skills

Practitioner of OO design patterns & principles. Experienced in Agile methodology and TDD. Student of Microservices, Domain Driven Design & Enterprise Software Architecture.

Server-side

Node.js: Restify, Express
PHP: Magento, Symfony, Slim

Microsoft

.NET: C#, WPF, MVC, WebAPI, EF, LINQ
DB: MS SQL Server

Databases & Tools

Databases: Postgres, MySQL, MongoDB
SCM/Build: Jenkins, Stash, Git, Vagrant, Gulp
Testing: PHPUnit, Karma, Jasmine, Mocha, Chai

Frontend

Javascript: KnockoutJS, AngularJS
Frameworks: Bootstrap, Zurb Foundation

Certifications

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

Professional Experience

Senior Web Software Engineer

[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

- Led development of key eClinical features like Risk Based Management

- Rebuilt Report Designer Javascript app to use data-binding & MVVM using KnockoutJS
- Setup Javascript Test harness using Gulp, Jasmine and Karma
- Re-engineered Webservice tooling using Node.js
- Developed large-scale data migrations (Postgres/PLpgSQL) in a sharded, high-availability environment
- Currently developing XML/REST API for platform

Presentations given to the engineering team:

- Object Oriented Principles & Practices in PHP
- Microservices (SOA) in Node.js
- Code Modularization using Dependency Injection and the Service Layer Pattern
- Testing Javascript using Jasmine, Karma, Gulp and Phantomjs

Owner

[Data-Worx Consulting LLC](#)

Period: Since 2004

I started a software consulting firm in 2004, providing creative software solutions and end-to-end expert development and consulting services to design agencies, entrepreneurs and businesses.

- Launched BuyMage, a software product integrating Magento with the BuySeasons Direct® dropshipping program
- Architected bespoke MES applications for Production Scheduling and Shop Floor Management (Python)
- Built [TREK](#), a (.NET/MVC/WPF) business application integrating with TigerPaw ERP
- Developed REST API for Remax Cayman Islands
- Authored custom Magento extensions

Experience managing the entire software development lifecycle: system analysis & estimation, pricing & sales, project management, development, testing and deployment including client-facing presentations and ongoing software support.

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 students in entrepreneurship for social good
- Fund-raising, leading volunteer teams
- Speaking/presenting at student conferences

In 2002, I left my corporate IT job to work on staff with Segway, a non-profit organization on the University of Minnesota (Twin Cities) campus. I provided mentoring and counseling to college students, specifically in applying their education and skills towards combatting poverty, both locally and globally.