# Nathan Craddock

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I am an experienced polyglot full-stack developer with expertise in a broad segment of information technology. I love learning, writing software, and am passionate about solving problems. I am looking for a position where I can help build and deliver modern cloud-native solutions and work with brilliant engineers.

## KEY SKILLS

Go, Node, C#, shell scripting, Angular, MongoDB, SQL, CSS, RabbitMQ, REST, HTML, cloud operations, 12-factor applications, continuous deployment, scalability

## LESSER SKILLS

elixir, ruby, powershell, java, chef, mobile delivery, ionic/cordova, seo

## TOOLS

Linux, OSX, windows, vim, git, docker, vagrant, concourse.ci, travis.ci, jenkins, teamcity, openstack, AWS, kubernetes, influxdb, google analytics

## Employment History

### Ultimate Software
### Software Architect
May 2016 - Current

- Researched and prototyped CQRS and Event Sourcing solutions using Kafka, Spark, EventStore, Axon, Java, Node, and Elixir
- Worked with other architects to design and document patterns and practices for implementations of solutions to common problems within the architecture
- Designed and implemented a continuous deployment solution using Go, Node, Concourse.ci, and Cloud Foundry to enable Travis.ci-like cd pipelines for our internal teams to have turnkey pipelines for their projects
- Built and open sourced a templating solution for reusable continuous delivery pipeline definitions for Concourse.ci using Go and Handlebars
- Created a multi-cloud monitoring solution to integrate end-to-end metrics from build results and code quality to production errors and resource consumption for 70+ microservices in 4 different environments to let teams view the holistic health of their projects in a single dashboard written in AngularJS
- Built a chatops to allow teams to perform common tasks (rerun builds, pause a pipeline, etc) through slack using NodeJS, Go, and Hubot

Ultimate Software
## Technical Lead
October 2014 - May 2016

- Led a team of 10 building cross-cutting services
- Designed an OAuth2 Identity and Access management solution using Go and Java microservices
- Built continuous delivery automation using ruby, rake, bash to deploy services and upgrades to OpenStack
- Used docker and vagrant extensively to automate integration testing environments
- Built a fault-tolerant webhooks-as-a-service solution on top of our legacy event bus using RabbitMQ, Go, and a REST api
- Mentored less experienced developers in Linux, Go, OpenStack, Ruby, TeamCity, RabbitMQ, Docker, and Linux cloud operations

Ultimate Software
## Software Engineer
January 2014 - October 2014

- Worked on a cloud infrastructure inventory tool in .NET to map our network and infrastructure for our internal cloud
- Built and managed TeamCity build and deployment pipelines and scripts
- Built tools using SNMP and Expect script to pull network and infrastructure data from servers, routers and managed switches and build an infrastructure map of our data center
- Built an Identity and Access Management service using NodeJS and MongoDB

Matomy Media Group
## Sr. Application Developer
2013 - 2014

- Worked on high-volume internet marketing and lead-generation software
- Migrated source control from TFS to Mercurial and configured continuous integration and automated builds
- Support and update multiple internet-facing, high-volume ASP.NET products
- Helped architect and design a new SPA project using ASP.NET MVC 4 and AngularJS
- Architecting and building prototypes for new RESTful SOA solutions testing node, mongodb and ASP.NET MVC 4
- Designed and implemented a message-driven ad click-tracker using RabbitMQ

Chesapeake Energy
## Sr. Applications Programmer / Analyst
2011 - 2013

- Completed multiple releases and bug fixes for an MVC contract approval and routing system.
- Designed and implemented a safety incident tracking application using MVC, jQuery and bootstrap.
- Built a real-time integration system connecting a WPF application to an ASP.NET MVC application using WCF services and nServiceBus.
- Created installation / update package for WPF application using WiX, nAnt, and msbuild.
- Implemented build/deployment/CI automation with Jenkins and nAnt.
- Wrote a suite of custom nAnt tasks to integrate our build automation with TFS, Versioning, FogBugz, and other aspects of our work flow.
- Participated in analysis, design, architecture, implementation, and support for various .NET applications.
- Worked with business analysts, project managers, business customers, and other I.T. teams.

### XTO Energy
## Sr. Programmer / Analyst
2004 - 2011

- Responsible for the full application lifecycle of numerous projects
- Provided a service-oriented solution for application logging and monitoring
- Maintained and improved a legacy enterprise field data system
- Created reusable domain libraries and SOA solutions used by multiple teams
- Built a suite of tools for reserves accounting and reporting

### Transaction Management, LLC
## Software Developer
2003 - 2004

- Designed and led implementation of the Empasys online bill payment  ASP.NET website.
- Built a back-end payment processing Windows Service capable of payment remittance in multiple formats such as EDI820 and RPPS.
- Created an ACH payment processing system that moved money from Empasys merchants to billers and royalty recipients.
- Wrote a simplified graphical ACH file editor capable of correcting file errors and exporting returned transactions to XML.

### Commercial Banking Innovations
## Software Developer
2002 - 2003

- Provided solutions for check scanning and ACH transaction processing
- Built a bank drafting system using C#, ASP.NET, Microsoft SQL Server 2000 and Crystal Reports 8 to process.
- Worked with business customers to design and rewrite a back-room check truncation system.

### Total Access
## Network Administrator / Software Developer
1997 - 2002

- Oversaw maintenance and configuration of routers and access points.
- Built a fully-integrated customer administration system.