

# Josh Crawford

Full Stack Web Applications Developer

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I have a passion for small companies and startups that can utilize my skills as a full stack web applications developer. During my fourteen years of experience, I have worked with a wide array of clients ranging from Kraft Foods to the Department of Defense. I am a certified CrossFit instructor, wilderness survival expert and bitcoin enthusiast.

## EXPERIENCE

### Gravity Jack Software and Web Development

*February 2012 to Present*

#### Systems Architect

- Develop web applications utilizing AngularJS as the frontend and .NET or BaaS as the backend
- The go-to guy for backend problems that are not easily solved
- Design and maintain cloud-based scalable server solutions for mobile and browser-based applications using Amazon Web Services (AWS) with 10+ servers
- Designed the server architecture of an augmented reality application that processes hundreds of images and provides augmented reality content via an API to iOS, Android and web clients
- Help manage a team that provides SaaS backend solutions for 20+ mobile and client engineers
- Organize and distribute task load of projects to meet tight deadlines for clients

### Crawford Consulting

*February 2010 to Present*

#### Senior Software Consultant

- Cut managements search time in half with enhancements to a worldwide certification application. Added complex search functionality with .Net/C# and SQL Server stored procedures.
- Created a Java client/server connectivity module for an equities trading company that required time-sensitive alerts. The module monitored the application and remotely alerted users by text message or email if connectivity had failed
- Reduced testing times less than half by accurately extracting a sample database set with jailer
- Redesigned consulting firm web site. Removed hard-coding to facilitate future modifications.
- Integrated and customized commercial web storefront with an existing client/server application
- Created and customized multiple Wordpress sites

## **CoinFu.io**

*January 2014 to May 2014*

### **Founder and Full Stack Developer**

- Created a statistical dashboard site for auto-switching crypto-currency mining pool
- Displayed users work in bitcoin and automatically transferred gains to their account
- Increased profitability to be in the top three mining pools consistently
- Setup and maintained Amazon Web Services for distributed deployments in a multi-layer architecture

## **Gravity Jack Software and Web Development**

*September 2011 to February 2012*

### **Senior Software Engineer**

- Designed and developed MVC and Web API applications for consumption by mobile devices and internet browsers
- Created ASP.Net web application UIs from Photoshop designs provided by a design team
- Utilized Javascript and AJAX to provide a graphical representation of telecommunication hardware sensors to immediately notify engineers of abnormalities
- Designed and created an SMS (text message) ping utility to monitor SMS network latency

## **Hewlett-Packard Enterprise Services**

*August 2010 to September 2011*

### **Service Information Developer II**

- Developed a multi-million dollar state government web application (for WA State Insurance...)in ASP.Net 3.5 from a high level specification.
- Collaborated with a diverse team in a Agile/Waterfall methodology utilizing TFS and SharePoint
- Utilized NHibernate as the ORM
- Achieved MCTS for Web App Development for .NET 4

## **Nivera Systems, Inc.**

*December 1999 to February 2010*

### **Senior Software Consultant**

- Developed and supported a complex state government application that processes several million dollars each week
- Designed, maintained and tuned a 320 table database for an application that services 4000 companies and 200,000 individuals
- (Reduced employee workload by creating five web-based applications for customers to view and update information) Created five web-based applications for customers to view and update information to reduce workload on employees
- Shared customer support duties for over 140 system users
- Telecommuted from a home office
- Redesigned an existing database for increased performance, more accurate data tracking and ease of maintenance

- Migrated and cleaned 2 million records from an existing database to a redesigned database
- Extensively modified existing application to use updated database schema
- Created and designed over 200 reports for useful data visualization

## SKILLS

Web Applications, AngularJS, C#, Node.js, ASP.NET, SQL, .NET, Agile Methodologies, Cloud Computing, HTML 5, CSS, Unit Testing, Microsoft SQL Server, Git, GulpJS, Integration Testing, AJAX, MySQL, GruntJS, Java, C++, C, SharePoint, Databases, Visual Studio, Python, Android, Object Oriented Design, MVC, ORM, Entity Framework, Amazon Web Services (AWS), JSON, Razor, Facebook API, Twitter API, Test Driven Development, Linux, Oracle, Web API, Windows Azure, TDD, Machine Learning, Google API, CloudSearch, ElasticSearch

## PROJECTS

### FighterBonus

*August 2013*

<https://fighterbonus.com>

Crowd sourced MMA fighter sponsorship application to boost fan engagement and increase fight action

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### browsAR

*January 2013*

<http://browsar.com>

iOS & Android augmented reality application that allows customers to quickly create augmented content to display on top of an image

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### Department of Defense Mobile Object Recognition of Circuit Boards

Allow military personnel to identify IED information from a detonated IED by automatically matching circuit boards from photos via Android or web client in the field

## EDUCATION

### Washington State University

*August 2007 to December 2009*

**Bachelor of Science, Computer Science**

Summa Cum Laude

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### Western Nebraska Community College

*September 1996 to June 1998*

**Associates of Science, Engineering**