

# Richard H. Moore Jr.

## SENIOR SOFTWARE ENGINEER

Over 25 years of software engineering experience. Achieved the following:

- Worked as a full-stack web developer using ASP.NET (C#/VB.NET WebForms & MVC), PHP, and Perl.
- Worked with MSSQL, MySQL, and other databases. Also used Code-First technology (EntityFramework, Telerik ORM) with some projects.
- Past projects also include microservices, multi-threading, multi-platform, hardware integration (IoT), and third-party integration ranging from web services to direct software module installation.
- Worked in different industries such as the financial (credit card processing), employee benefits, logistics (shipping), and defense industries.
- Held top secret and secret clearances with the government.
- Acted in other capacities when needed, such as business analyst, architect, tester, and dev ops engineer.
- Successfully worked with remote teams and globally distributed team members.
- Experienced with many development methodologies such as Waterfall, Scrum, and Kanban.
- Used different agile methods such as Continuous Integration (CI), Test Driven Development (TDD), and Pair Programming.
- Established DevOps tools and processes within companies.
- Trained and mentored teams in DevOps tools and processes as well as Scrum methodology.
- Masters in Business Administration (MBA), Certified Scrum Master (CSM), Certified Scrum Developer (CSD), and Advanced Certified Scrum Developer (A-CSD)

[richard.h.moore.jr@gmail.com](mailto:richard.h.moore.jr@gmail.com)

(951) 765-7531

9079 Old Castle Rd. Valley Center, CA 92082 US

**linkedin** [@richard-moore-9b238723](#)   **github** [@moore378](#)

# EXPERIENCE

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## Acuity International

.Net Engineer

Feb 2022 - Feb 2024

Contractor for Acuity International working on multiple web-based applications dealing with managing medical services for businesses and their employees.

- Work is 100% remote.
- Full-stack engineer working with C#, Knockout.js (javascript), and SQL Server.
- Applications used MWM model
- Project Thunder: Exam Types - I wrote a specification on transferring this application from AccessMETS to WebMETS. Unbeknownst to me, Ismael had planned this out but was commended for my vision aligning with the company's vision and was tasked implementing this transition.
- Project Thunder: Randomwhere - I began working on this application with 3p helping them navigate the application. I worked heavily with Kevin Garbin, originator of the application, answering 3p questions. I also did some development work early on in the project but was moved off to handle Hearing Conservation.
- Project Thunder: Hearing Conservation - I added the Hearing Conservation project into WebMETS. I mapped all the Access code and converted it to C# for WebMETS. I also integrated the features desired in UMETS into the new WebMETS. All this work entailed updating the UI in C# and Javascript, creating all the business logic in C#, and mapping the new WebMETS logic with the database elements. I then needed to modify the database to handle the new UMETS functionality.
- Project Thunder: Security Update - I worked with others to upgrade the security of each project enabling 3p to work on projects without revealing secrets being used in production.
- WebMETS integration with Costpoint - Worked with Finance, Kevin Garbin, and Ismael Almonte and learned how to update Costpoint without sacrificing the integrity of the current architecture supporting Costpoint upgrades in the future.
- WebMETS Maintenance - Worked for the past two years on all areas of WebMETS fixing and updating features.
- EAS - Worked for the past two years on all areas of EAS fixing and updating features.
- EAS - Navigated the complexity of communication between WebMETS and EAS databases. This can be seen in my work on Exam Types.
- Forms - I help develop and maintain forms within the Forms application.
- Forms - Performed maintenance on the Forms application.

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## US Digital Response

Technical Manager

Apr 2021 - Jan 2022

Working as a technical manager and mentor for a non-profit organization developing a web application. Setup the infrastructure on Lightsail AWS, architected the solution and developed the application. The application determines if applicants qualify for specific programs connecting people with resources.

- Work is 100% remote.
  - Effort involves over three different organizations.
  - The web application is developed in C# ASP.NET Core, Javascript, CSS, and Postgres on a Ubuntu virtual server on Lightsail AWS.
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## Techmoore Solutions

Senior Software Engineer

Apr 2019 - Present

Worked as an independant contractor.

- Automated processing over 1200 Covid-19 PDF waivers for Escondido Soccer Club. This is a C# application reading PDF waivers, sorting them based on type and language, and organizing them based on language and team.
- Creating Chrome Extension using CSS and Javascript customizing Haynes online manuals.
- Creating Chrome Extension using CSS and Javascript customizing Amazon book pages integrating Goodreads.com (in process).

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## IPS Group Inc.

Senior Software Engineer

Sep 2016 - Apr 2019

The company produces "smart" parking meters (IoT). Worked on session and transaction services backend logic. The work entailed adding new credit card processors, supporting third-party development teams, and other payment processing functions such as EMV support. All development is using C#.Net and MSSQL.

- Architected and developed microservices for processing financial transactions using C#, MSSQL, and Quartz.NET scheduler. The process uses Reflection updating services based on changes made in DB.
- Built WCF Web Services supporting various credit card processor needs.
- Built a settlement processor for Barclaycard. Processor builds a settlement file, sends it to Barclaycard via SSL FTP, pulls response files via SSL FTP, and parses and processes the data from the response files. Settlement processor uses the microservices process.
- Developed Continuous Integration and Packaging services using Jenkins and NuGet for EMV project.
- Converted .Net Framework projects to .Net Core.

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## Serco

Technical Business Analyst (contract)

Dec 2015 - Feb 2016

Serco is a defense contractor managing the TORIS contract. The TORIS contract facilitated some training of Navy personnel.

- Scoped the database engineer role and documented the database infrastructure for the next company taking over the contract.
- Successfully managed difficult personnel.

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## Benetrac

Senior Software Engineer/Scrum Master (contract)

Sep 2014 - Nov 2015

Developed new and existing web-based solutions for company's HR benefits management web application.

- Upon my arrival, my team went from consistently failing to meet sprint contracts to always meeting sprint contracts. Singled out by team and management for being critical for this success.
- Lead and architected a new EOI (Evidence Of Insurability) process digitizing third-party integration.

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## Avatar Partners

Senior Software Engineer

Mar 2014 - Jul 2014

Company was sub-contracted to help segment sections of the JMPs program.

- Converted classic ASP written in VB6 to C# ASP.NET.
- Updated commercial software to support both 32-bit and 64-bit platforms.
- Established DevOps for project placing all software under CMS and customizing workflows within Jira for different projects.

## Teradata

Senior Software Engineer/Enterprise Continuous Integration Engineer (contract) Jul 2013 - Feb 2014

I was brought in specifically for my DevOps experience to help architect a new CI/CD system.

- Architected a new system using Jira and Confluence to fully automate testing, building, generating test environment, and deploying the latest build to test environment. Success will result in bundling code for release. The process will self-document all activities and issues will result in a newly generated Jira ticket.
- Defined and developed data warehouse importing data from TeamCity.

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## NTE

Director of Application Development May 2012 - Jul 2013

Developed and maintained new and existing solutions within company's web application supporting shipping logistics for shipping companies.

- Implemented DevOps and new processes for scoping and developing work within the company.
- Lead the hiring of technical consultants and employees.
- Implemented Confluence for documenting processes and work experiences.

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## BAE Systems

Senior Software Engineer Aug 2008 - Feb 2012

Developed new and maintained existing software within the JMPS program using C#, VB, and C++. Fixed the build process allowing nightly builds and monthly releases. Led the training seminar for third-party engineers on how to build and deploy the JMPS application. Automated Jenkins setup by pulling content from a CMS, parsing the project files, and then updating and running Jenkin's projects. Co-authored two proposals for the government.

- Completed Architecting Enterprise Solutions class.
- Completed the Enterprise Architecture Application Training class.
- Completed the IT Security – White Hat Training class.
- Developed training courses for JMPS build and Scrum.
- Helped implement software (OPNET) to measure JMPS performance.

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## Existence Genetics

Contractor Feb 2008 - Aug 2008

Architected and populated a new database with genetic research material. Worked closely with a business consultant defining operation processes and the effort needed to automate them.

- The company was brand new with only two people in the company.

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## EG&G Technical Services

Senior Software Engineer Jul 2005 - Nov 2007

Designed and developed a web application for deployed Marines offering detailed instructional checklists. The application also provided an inventory status helping the Marines identify their capability status.

- Fixed database design implementing third-normal form.
- Brought in graphics designer and oversaw update of UI design.

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## SKILLS

## LANGUAGES

C#, Python, Perl, Web Services REST/SOAP, ASP.NET/ASP.NET Core WebForms/MVC, .NET Core, CSS, Javascript, JQuery, LINQ, HTML, C/C++, VB.NET, VB6, JSON, XML, SQL

**DATABASES/CODE-FIRST** MSSQL, MySQL, Oracle, EntityFramework, Telerik ORM

## DEVOPS/TOOLS

Visual Studio, JIRA/Confluence/Bitbucket, TFS, Rational Team Concert (RTC), TeamCity, Jenkins, WiX, Git, NuGet, Telerik RadGrid, Visual Build Pro

## EDUCATION

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### University of Phoenix

Masters Business Administration

Sep 2005 - Mar 2008

### Humboldt State University

Bachelors of Arts Economics

Jul 1991 - Apr 1996

## AWARDS

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### Eagle Scout

Boy Scouts of America