Michael B. Need

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**Michael Need**

**Sr. Developer/Scrum Master/Dev Manager**

**SUMMARY OF QUALIFICATIONS:**

Dependable, hardworking and enthusiastic. He learns by exposure, reading, doing and observing. Michael enjoys being able to help others learn and grow by assisting them with things he has mastered and enjoy collaboration. He can work independently and in a team setting. Experienced in object oriented software development/design, leadership, mentoring, delighting clients and users.

* Agile Management across multiple teams (Dev, Support, Training, Sales Consultants)
* Project Management for new products and professional services
* Strategic long-term planning, client facing communicator, project budgeting
* .NET Stack Developer (C#, VB, T-SQL) Developer
* Relational Databases
* Angular, Ionic, Cordova, React (In training using Pluralsight)
* Front end development (HTML, CSS, Javascript, JQuery, Bootstrap)
* Deployments and releases (DevOps)
* Servers, networks and hosting

**SKILL SET DETAILS:**

* Agile SCRUM Master, Project Manager, IT Director
* Mentor/coach/player/communicator
* ASP.NET, Web Forms and MVC, Winforms, WP
* C#, OOP, LINQ, VB.NET
* MS SQL Server, T-SQL, Stored Procedures, SSRS/Reports, MySQL
* HTML, CSS, JavaScript, Typescript, Bootstrap
* Visual Studio
* CA Rally, JIRA, TFS, Git, Bitbucket, SVN, Confluence
* Publishing/Deployment/DevOps
* Angular2 + Ionic2 and Apache Cordov
* Web API (RESTful)
* Windows Server/AD, IIS, Exchange, VMWare, Hyper-V and Networks
* Penetration testing using Kali, Burp, NMAP, Infrastructure, network, security

**PROFESSIONAL EXPERIENCE:**

**INFODYNAMICS April 2017-Present**

***Director of IT and Software Development (company of 15)***

* Agile, Director, Planner, Manager, Coder, C#, SQL, Javascript, VMWare, Hyper-V, Automation, JIRA, BitBucket, Confluence, Git
* Development Manager for team of local developers, QA’s as well as off shore developers in Ukraine.
* Maintain headship over the Support team, Sales Consulting team and a Project Manager.
* In charge of all Agile planning and sprint grooming and organize the scheduling of resources, monitor the burndown and velocity and track milestones.
* Likewise, he also plays the role of a standard Director involved in seeking and hiring new talent. Several other key roles are performing discovery and project dependency investigation.
* Architected and developed integrations from our product (C# Windows app + web app and DLL plugins) a multi-faceted Document Management System (DMS) to several major CRM and ERP systems such as Microsoft Dynamics, Great Plains, Navision, Sage 100, Sage X3, Epicor, Kronos Time Keeping, and OSA – a connector for Sharp MFP devices (IoT). Likewise, he assists with writing C# code and T-SQL scripts.
* Recently built upon their document scanning and OCR technology and created a full invoicing, service order and invoicing system using WPF, C#, SQL Server and Rest API. Using proper agile the project was completed and he enjoyed being involved in the coding of this completed project
* Performed code reviews in limited cases to assist the Dev team and verify the code prior to it going to QA or being queued for a deployment
* They follow a SCRUM Agile methodology, 3-week sprints, prefer attainable milestones and conduct planning, grooming, review and retrospective meetings.

**IVM (International Vending Management) May 2015 – January 2017**

***Senior Software Engineer***

* Agile Leader, Team Leader, Company-wide respected as the technical guy who could help the big deals to go through; Intel, Facebook, Microsoft, Mozilla, Salesforce, much more
* Agile SCRUM Development Manager on projects wherein new software development, enhancements, infrastructure planning and support were key.
* As this was a small company his first year he actually was also in a Senior Developer role alongside Dev Manager role and worked with C#, T-SQL, JavaScript, HTML and CSS, coding on a daily basis.
* Their systems were built in ASP.NET MVC, ASP.NET Webforms, SQL Server, Web API.
* Supported a full range of servers on VMWare including enterprise hosting and database servers, as well as Windows domain and security devices. He was able to enjoy a large variety of tasks in multiple areas of IT.
* Their products were very “IoT” as they were smart vending machines/lockers with a firmware system that communicated with our enterprise .NET systems and could be used to supply items such as IT peripherals and even laptops. These devices could be used to supply all kinds of other things such as medical equipment, work supplies and safety gear. They evolved this into a full-blown inventory management system, and supply chain mechanism.
* As they built up a team he was enabled to step further into the Director portion of the business directly under the Company President.
* Was in charge of a major code upgrade that won the business of clients such as Intel and Facebook.
* They built a mobile app using Cordova, JavaScript, HTML and CSS as a complement to our enterprise system. He directed its development
* Regularly managed and performed plans for release cycles based on Agile, deployed DEV, TEST, PRODUCTION code bases to server systems. Performed patches and hotfixes to live code.
* Planned and executed a major migration of all infrastructure systems offsite and into a datacenter (Expedient, Carmel IN).

**TCC Software Solutions June 2014 – April 2015**

***Senior/Lead Software Engineer***

* Agile SCRUM Team Lead on Projects wherein new development, enhancements, maintenance, support and Tier 3 duties assigned and delegated. CCMASS, our core web app for the monitoring and tracking of childcare facilities and state government transparency is my main focus.
* Worked cross-team to assist with our Windows 8.1 WPF tablet application.
* Used ASP.NET 4/4.5, Visual Studio 2013, SQL Server 2012 and several other tools, such as JQuery and Bootstrap. Likewise, the app consisted of Entity Framework(LINQ), CSS and JavaScript.
* Performed releases based on Agile, deployed DEV, TEST, PRODUCTION systems and hotfixes.

**Quest Information Systems January 2013 – June 2014**

***Software Developer II***

* C#, VB, JavaScript, T-SQL. Heavy server-side code and stored procedures.
* SQL Server reporting services, including making a PDF conversion system using the SSRS engine as a source.
* Campaign Finance ASP.NET web application in multiples states.
* His team had a primary focus of Alabama.
* Assisted in data conversion and new development for the state of Maine, Colorado and Indiana.
* Assisted making the core product a sales-worthy resalable tool and that in turned got picked up in New Mexico and other states after my exit.
* Managed and performed plans for release cycles based on Agile, deployed DEV, TEST, PRODUCTION code bases to server systems. Performed patches and hotfixes.

**D.L. Couch January – October 2012 (plus 3-month severance)**

***Executive Software Analyst***

* Worked directly with the Vice President of Business Development on multiple projects. Using SQL 2008R2 database and VS2012
* Built a project tracking system, a quoting and sales admin tool as well as other projects such as developing a new website with a custom backend product order toolset.
* Also made other tools for their outside sales force such as a cloud-style document managing system including a robust product image presentation gallery.
* Instrumental in troubleshooting applications with errors and bugs.
* Given a large variety of tasks and was able to meet or exceed expectations, and got projects done before deadline.
* Assisted Marketing with web-based campaigns using Constant Contact.
* Managed and performed plans for release cycles based on Agile, deployed DEV, TEST, PRODUCTION code bases to server systems.

**Carter Logistics (contract) January 2012 – March 2012 *Software Contractor***

* ASP.NET MVC project for Transport and Logistics firm.
* Assisted in the development of a product titled Cross-Dock. Used MVC 4, RAZR and Entity Framework. Heads-down development.

**Business Management Systems June 2011 – December 2012**

***NET Developer/Consultant/Mentor***

* Provided ASP.NET development solutions for a mid-sized trash removal service. Migrated customer from Visual Fox Pro legacy application to web-based ASP.NET 4.0 data-driven software.
* Converted data from Visual Fox Pro database to SQL Server 2008R2.
* Developed application to 90% complete and handed off to W2 employee for completion. Skills used included but not limited to C#, T-SQL, Visual Studio, HTML, CSS.
* Application offers features such as customer management, trash pickup routes, driver management, dispatching, admin maintenance, accounting and reporting.
* During this project also assisted BMS with smaller tasks as they requested such as webmaster duties for several clients, repaired their own website, assisted their largest client with server and network admin.
* Deployed DEV, TEST, PRODUCTION code bases to server systems
* Mentored functional programmers with backgrounds in Visual Fox Pro in the ways of OOP to be able to grow and continue after my engagement was to expire.

**Internet Brilliance- Software Consulting Firm April 2001 – May 2011**

***Developer***

* Agile SCRUM Methodology using 4-week sprints and practiced continuous integration before it became POPULAR. Full service Application/IT Infrastructure business.
* Gathered requirements for clients’ projects, and defined phases and tasks.
* Based on this planning they also completed the specifications for web applications and web sites.
* Applicable tied the infrastructure of the customer into the project. Therefore, a single solution would cover the creation/adoption of relational databases, development of business applications, support for domain names, admin for email technology and application servers, connectivity and remote access.
* The types of applications he built are data-centric, focusing on structured data. Therefore, the line-of-business style of his work is well suited for accounting, customer relations, planning, project management, web portals, manufacturing and inventory systems.
* All works were made for the web browser. ASP.NET and the many extensions provided for Visual Studio are still my primary toolbox.
* Using ASP.NET, C#, VB.NET, SQL, JavaScript, HTML, CSS, Web Services, Access, third party controls, XML, SSRS and related technologies his business was able to build many interesting and profitable creations.

**Noteworthy accomplishment:**

Designed and developed the first Real Estate CE Learning Management System (LMS) in Indiana state history after the state provided the terms for a legally approved set of standards allowing agents to re-certify online. The LMS was accompanied by a custom shopping system selling protected digital content and allowed many features found in more modern shopping carts, yet I built it in 2005 and 2006.

***Projects included:***

* Trade Brokerage and Billing System with AR, AP, Invoicing, Excel and CSV flat file integration
* Accounting, Dispatch and Line of Business for a trash pickup service, real-time comm
* Fleet Management Web Application
* Lender/Appraiser Portal and Line-of-Business Solution
* LMS (Learning Management System) for licensing, Real Estate, Cosmetology, Title Insurance
* Project, time and billing tracker with customer facing portal
* Life Card Medical History app with HIPPA regulations consideration
* Content Management Systems, shopping cart admin (CMS)
* Membership Site with user forums, mini-blogs and file sharing
* Online Scheduler, Webmail, my own version of Outlook
* Indiana Secretary of State Business List Presenter
* Doggie Day Care Reservation System
* Shopping Cart System for both physical products and digital downloads
* Secure File Exchange (Pre- “cloud” file storage and document drop box-like portal)
* Newsletter and bulk email system
* LAN/WAN/VPN/Security/Server and Email support
* Deployed DEV, TEST, PRODUCTION code bases to server systems.

**EDUCATION/DEGREE:**

ITT Technical Institute

Graduated 1993 with 3.7 GPA

Degree: AASEET