

MICHAEL L. AGNEW

Software Developer/Architect

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ABOUT ME

Software Developer with six years of on-job experience. Regularly employing Agile software development principles, with a specialization in the .NET stack, developing desktop and web applications. Current experience involves interacting heavily with laser systems to create software which calibrates measurement devices.

WORK EXPERIENCE

HEXAGON MANUFACTURING INTELLIGENCE

Software Developer

(2017 - Present)

In charge of leading several software projects for the service department at Hexagon MI. Building and maintaining desktop applications (WPF) and web applications (.NET Core MVC). These tools and applications center around the calibration of Coordinate Measuring Machines (CMMs), working with laser systems to calculate a perfect geometry.

Projects at Hexagon:

Laser Calibration Tool: Building and maintaining software (WPF) which uses laser interferometers to calibrate measurement machines (CMMs) in order to simulate a perfect geometry.

Automated Testing Tool: Interdepartmental project that is creating a tool (WPF) to automate the testing of measurement machines, allowing them to run repeatable, configurable routines.

Performance Review System: Web application (MVC) that is used to track applicable skills amongst employees spread across various departments and teams. Allows users to complete a self review, and has a system for management to approve/reject reviews. Also includes tools for management to query reviews and create reports to better utilize their employees.

TALLAN CONSULTING

Consultant/Software Developer

(2014 - 2017)

Employed as a Software Development Consultant, working on various clients, using various technologies to solve problems and create solutions based on client needs.

Projects at Tallan:

Healthcare Data Transformation: Created custom BizTalk components to sort healthcare EDI data based on meta-data contained within individual claims to meet client standards.

Credit Tracking Platform: Worked on front-end development using technologies such as .NET MVC and AngularJS developing components within a public facing credit score tracking platform owned by the client.

Sales Order Integration: Used BizTalk to create custom solutions in order to transform various formats of sales orders a client was receiving into a single canonical format. This involved writing custom parsers and libraries to handle the various quirks of the different formats.

EDI Integration System: Worked as a developer on an internal product created to take in large EDI files and store them into a database. Involved with writing large stored procedures to insert data into table, create BizTalk maps to transform the data from EDI to a canonical, database-ready, format, and creating custom .NET components to drive the process.

Dell Boomi: Worked as a founding member of a team to expand the amount of integration technologies used by the company to the Dell Boomi AtomSphere platform. Became certified and developed proof of concepts for HIPAA EDI integrations.

Legislation Management Platform: Worked on a team to develop a platform to manage state-level legislative procedures and documents using .NET MVC, Entity Framework, and AngularJS.

LANGUAGES

C#	●	●	●	●	●	●	●	●	●
C++	●	●	●	●	●	●	●	●	●
JavaScript	●	●	●	●	●	●	●	●	●
HTML & CSS	●	●	●	●	●	●	●	●	●
SQL	●	●	●	●	●	●	●	●	●

FRAMEWORKS

.NET MVC	●	●	●	●	●	●	●	●	●
WPF	●	●	●	●	●	●	●	●	●

TECHNOLOGIES

Keysight Lasers	●	●	●	●	●	●	●	●	●
Renishaw Lasers	●	●	●	●	●	●	●	●	●
TFS/GIT	●	●	●	●	●	●	●	●	●
Adobe Photoshop	●	●	●	●	●	●	●	●	●
Adobe Illustrator	●	●	●	●	●	●	●	●	●

OTHER SKILLS / INTERESTS

LANGUAGES

PHP, C, Java

FRAMEWORKS

React JS, Angular, React Native

TECHNOLOGIES

Telerik Libraries, Unity, Godot Game Engine, IIS, Linux

EDUCATION

RENSELAER POLYTECHNIC INSTITUTE

Troy, NY 2010-2014

Bachelor of Computer Science

RESEARCH

RENSELAER CENTER FOR OPEN SOURCE (RCOS)

Various Projects 2012-2014

Department of Computer Science

HOBBIES



Club Rugby



Hockey



Fishing



Game Dev



Horticulture



App Dev



Music



Soccer

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