

James Tyler

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Summary

Passionate for software development, continuous learning, effective teamwork, improving through reflection. Leading a team of six software developers, we work on a portfolio of projects. Sales selection and performance estimation software that facilitates \$356 million in annual sales, test automation and curation software that delivers a new level of manufacturing quality control, and an assortment of other smaller projects that improve business efficiency through data entry automation, improved subject matter and employee communication, and data maintenance.

Experience

Lead Software Developer

AAON, Inc., Tulsa, OK

May 2014 - Present

I lead a team of developers to achieve all of the company's software development goals. Team solves business problems, primarily by leveraging Microsoft .NET technologies to yield software solutions efficiently. As a working leader, I not only lead my colleagues, but also manage projects and develop software myself. I also implement Scrum methodologies at the rate the company is able to extract maximum value.

Software Developer Contractor

Syfertek, LLC.

March - July 2013

Converted complex calculation and selection software from VB6 to Java. Translated variable names and documentation from English to Italian. Refactored code for increased maintainability. Fixed errors in functionality and added automated tests.

Software Engineer

AAON, Inc., Tulsa, OK

December 2012 - May 2014

Software development and project management of special software projects assigned by company wide project management office. Development and maintenance of company's proprietary sales selection, engineering product design, and performance estimation software.

Mech. Engineer, Software Dev. AAON, Inc., Tulsa, OK

May 2008 - December 2012

Development and maintenance of company's proprietary sales selection, engineering product design, and performance estimation software. HVAC unitary commercial equipment design, problem solving, and performance estimation. Represented AAON, Inc. at the AHRI Spring Meeting in Washington, DC in 2010 and 2011 . Assisting Applications Engineers on escalated issues. AHRI efficiency rating calculation, optimization, standard compliance. EER, IEER, COP, SEER, HSPF, etc. Customer customized performance estimation. Support and troubleshooting for selection and performance estimation software.

Manufacturing Engineer

AAON, Inc., Tulsa, OK

November 2007 - May 2008

Liaison to Manufacturing Lines, Part Specification, Problem Solving and Troubleshooting, Identifying and Resolving Recurring Issues, Electrical and Mechanical Drafting

Honors and Awards

Winning Team Startup Weekend Tulsa Energy Edition

May 1-3, 2015

Contributed software development, business planning, presentation preparation to project focusing on building an online community for geologists who wish to store or share well data as well as visualize the data in 3D using webgl and Oculus Rift virtual reality technology.

<http://www.wellhub.co/>

<http://wellhub.azurewebsites.net/api/Wells?lat1=39.9&lat2=40.0&long1=-96.0&long2=-95.9>

<http://wellhub.azurewebsites.net/api/Wells?count=5>

*Links may no longer be active at time of viewing, sorry for inconvenience.

Code Shoot-Out Winner Tulsa DNUG

June 2014

Expert Division Winner

<https://projecteuler.net/problem=54>

<http://codeshootout.com/>

1st Place Team AIAA Student Design/Build/Fly AIAA

April 2006

International Intercollegiate championship team in 2006 AIAA Student Design/Build/Fly International Team Competition. A competition to see what college team can design, manufacture, and fly the best unmanned aerial vehicle given a set of requirements and goals. For example, carrying two full 2 liters through a prescribed flight pattern. Another event was a timed loading of tennis balls into the cargo hold.

<http://aerodesign.okstate.edu/projects/blacklightening%20page/blacklightening.htm>

Volunteer Experience

Volunteer at Junior Achievement

October 2014 - Present

Teach local elementary age children about business, community, and personal finance through classroom visits.

Volunteer Youth Football Coach at Union Public Schools

July 2015 - November 2015

Teach local fourth graders about football and teamwork.

Projects

ECat

May 2008 to Present

Lead developer for sales and performance estimation software platform facilitating \$356 million in sales in 2014. AAON's first priority for this project is continuous delivery of new products and features to the HVAC market. Since taking over the lead dev role on this project in December 2014, I have been meeting the goal of delivery to market while improving the software platform and overcoming technical debt.

Automated Test Rack

May 2013 to Present

Contributing developer to project focused on software that improves manufacturing quality through test automation. Software applications lead testers through the process of appropriate quality checks on HVAC equipment dependent on what equipment and features are ordered. Configures variable frequency drives, stores product defects, tracks quality metrics.

Employee Portal

January 2015 to Present

Lead developer on project focusing on bringing paperless pay statements and other conveniences and documents to fellow employees.

Online Voting System

September 2013 to December 2013

A website, with client side scripting, server side scripting, and database for online voting in polls, elections, and surveys. Software engineering class project.

Certifications

Certified ScrumMaster Scrum Alliance License 000329579
Effective Leadership Training

May 2014 to May 2016
December 2014

Skills & Expertise

C#, Visual Studio, Git, ASP.NET, Troubleshooting, Visual Basic, Azure, Web Services, SQL, HTML, Node.js, JavaScript, jQuery, CSS, Scrum, Kanban, Access, SQL Server Management Studio, Desktop Application Development, Web Development, Team Leadership, Project Management, Software Quality Assurance, Python, Java, Visual Source Safe, Subversion, Visual C++

Education

OSU - Tulsa Computer Science, GPA: 3.8 2012 - 2013

Tulsa Community College Computer Science, GPA: 4.0 2011 - 2012

Oklahoma State University 2002 - 2006
Bachelor of Science (BS), Mechanical Engineering, Aerospace Engineering, GPA: 3.0

Activities and Societies: American Institute of Aeronautics and Astronautics, Habitat For Humanity

Joplin High School High School Diploma, GPA: 3.8 1998 - 2002

Activities and Societies: Football, Physics Club, Math League, Band, Cisco CCNA, Track & Field

Interests

Investing, Oklahoma State University athletics, developer community, entrepreneurship, startups, personal finance, podcasts, traveling, music, German

shepherds, canine companionship, computer games, learning new things, teaching, solving problems, writing code!

Organizations

Tulsa .NET User Group February 2014 - Present

Meet with talented developers on a monthly basis to discuss and learn about web development technologies.

Tulsa Web Devs April 2015 - Present

Meet with talented developers on a monthly basis to discuss and learn about web development technologies.

Tulsa Agile Practitioners February 2015 - Present

Meet with talented agile practitioners to discuss and learn agile principles and values.

OK Coders March 2015 - May 2015

Workshop to collaborate with other developers, improve front end web skills in HTML, CSS, JavaScript, jQuery. Also, learning to use Node.js and MongoDB effectively.