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## Skills

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### Front End JavaScript Technologies:

AngularJS, BackboneJS, MVC, Grunt, Bower, AJAX, JQuery, CSS3, HTML5, XML, JSON, NodeJS, CoffeScript, Zurb Foundation, Twitter Bootstrap, Jasmine

### Programming Languages:

Java, REST API Web Services, JAX-RS, C#, C++, PHP, .NET Framework, FIX Protocol, ASP.NET

### Databases:

Oracle, MySQL, MS SQL Server, PL/SQL, MongoDB

### Graphic Design Technologies:

Adobe Illustrator, Photoshop, Lightbox

### Other Development Frameworks/Technologies:

GIT, SourceTree, SVN, Maven, Apache, CMS, Eclipse, Visual Studio, Agile Methodologies, Test Driven Development, Design Patterns

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## Experience

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### Software Developer II

01/2012 – present

*Follett Software*

*McHenry, IL*

Follett has been a trusted partner to Pre-K and K-12 schools, districts, and college campuses for more than 140 years, taking care of the critical details that make it easier for schools to run, teachers to teach and students to learn.

- Developed Follett Universal Search, a search engine for all Follett hosted and provided learning material, including Library books, eBooks and eTextbooks, using AngularJS, Zurb Foundation, NodeJS and Grunt on the front end and Java JAXRS apis/webservices on the back end.
- Developed FollettShelf utilizing Java on the back end and Backbone, Twitter Bootstrap, and CoffeeScript on the front end. FollettShelf provides instant access and visibility to the widest selection of PreK-12 eBooks, audio books, interactive books, and databases. Developed with the test first approach in mind, using JUnit and Jasmine testing frameworks. FollettShelf increased sales by 78% since its release.
- Developed Follett eReader utilizing AngularJS and test first approach.

### CTO

01/2011 – present

*SportbikeTrackTime, LLC*

*Clinton, MI*

SportbikeTrackTime provides private track events to motorcycle riders of all skill levels. Currently SportbikeTrackTime has over 8,000 customers and 60 track coaches.

- Primary decision maker for all technology-related aspects, including development, management, and maintenance of four eCommerce sites running Apache/PHP/MySQL, which resulted in increased sales of 25% over the last four years
- Automated on-site registration, reducing the office involvement by 100% and on-site process time by 80%
- Configured VPN Server and its access for internal bookkeeping
- Integrated Social Media in all four sites, increasing the visibility of company's events and targeting specific customer groups

## Visiting Professor

12/2010 – present

*DeVry University*

*Addison, IL*

- Conduct lectures and teach undergraduate and graduate students computer science classes, including Programming, Database Design, Data Warehousing, SQL, Web Development, Web Programming using ASP.NET and PHP, System Analysis and Design, Networking, Flash and Visual Logic
- Assess and evaluate results of student learning and education
- Develop a class plan for undergraduate and graduate classes

## Software Engineer

2006 – 09/2010

*Trading Technologies International, Inc.*

*Chicago, IL*

- Developed software applications leveraging both QuickFix engine, and FixCore internal engine, for development and testing of FIX protocol based trading products such as Scriptosaurus and FIXTrader, using design patterns, C++, C#, Auto It, PHP, and Ruby through all phases of SDLC
- Developed an Electronic Exchange Simulator for testing of FIX based trading products
- Developed a Scalping Tool for FIXTrader
- Developed a C# GUI Log File Viewer and FIX message validator
- Developed in a team a web service solution displaying a very large number of internal software testing results utilizing RESTful Web Service, PHP, SQL Server, Ruby on Rails, JQuery, AJAX, Serialization with JSON, XML, and JavaScript prototypes

## Web Developer

2001 - 2004

*Optic Osterberg*

*Kassel, Germany*

- Created and maintained over 30 various web pages for outside customers, including “Werner und Sohn GmbH,” whose sales increased by 15% in the first year
- Restructured the network, Web- and Mail-Server, Decreasing server downtime by 32%

## Education

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### **Master of Science, Computer Science**

GPA 3.90/4.00

Loyola University Chicago, Chicago, IL

August 2008

### **Bachelor of Science, Computer Information Systems**

GPA 4.00/4.00

DeVry University, Addison, IL

October 2006

Dean’s List and Member of Dean’s Council

Valedictorian

President of the local chapter of Epsilon Delta Pi, National Honor Society for Computer Science