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# BRIAN SHOURD

SOFTWARE ENGINEER

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(303) 908-8114

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*Qualifications*      Over 18 months on-the-job experience working on an enterprise web application  
Fluent in C#, capable in Haskell and JavaScript  
Over 7 years formal and self-taught coding experience  
Able and eager to learn new languages, frameworks, paradigms, and technologies

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*Work Experience*      *Software Engineer*      June 2014-Current  
IMS Health

Member of the Data Services squad, responsible for the ORM layer, web API, Search system, and general backend server work for the Nexxus Marketing web application

**Skills:**

Used C# to maintain and improve a large web application codebase  
My squad introduced the TempTableLoad operation to the web API, increasing speed of large data transfers by 100% to enable ETLs  
My squad completely refactored and rewrote legacy querying system  
Personally engineered and spearheaded the dev blog for IMS Health's Seattle offices (<http://dev.imshealth.com>)  
Co-organized Hack Week 2015 for the IMS Health Seattle office

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<i>Open-Source Projects</i>	<i>Particle Swarm Visualization</i> <a href="http://brianshourd.com/pso">http://brianshourd.com/pso</a> JavaScript  A visualization to play with JavaScript and html5 canvas	<i>Tic-Tac-Toe Bots</i> <a href="http://brianshourd.com/tttbots">http://brianshourd.com/tttbots</a> Haskell  An experiment with genetic algorithms
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*Technical*      Language experience: C#, JavaScript, Haskell, some Python, C++, Java  
Experience with functional, imperative, and object-oriented paradigms  
Passionate about writing testable, maintainable code  
Working knowledge of Docker, containers, and micro-services  
Extensive Linux Background (8 years)  
Previous work on open-source projects: <http://github.com/brianshourd/>

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<i>Education</i>	<i>Notre Dame</i> M.S. Mathematics - 2011	<i>Northern Colorado</i> B.S. Mathematics - 2009 Minor: Computer Science
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