

Adam David Woods-McCormick
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Skills

Primary Languages: Java (11 Yrs), JavaScript (6 Yrs), Python (9 Yrs), Perl/C/C++ (14 Yrs)
Technical Background: System Architecture, Algorithm Design, Human Computer Interaction, Machine Learning, Multiprocessing, Simulation
Technologies: AngularJS, AWS, REST, NodeJS, jQuery, HTML5, CSS3, BackboneJS

Experience

Senior Software Engineer; McGraw Hill Education, Seattle, WA April 2015 - Present

Senior Engineer and primary application developer of an educational content presentation product in AngularJS, Firebase, HTML5, and PHP.

- Developed user-facing interface elements of an EPub3-compliant reader application
- Architected and built a drop-in cloud-based commenting module
- Mentored other engineers in software architecture and best practices
- Developed cost/benefit analysis and long-term risk mitigation strategy for investments in third-party technology versus proprietary development

Software Development Engineer 2; Amazon.com, Seattle, WA July 2014 - February 2015

Senior Engineer of a six-developer team building services to support offline resale of Kindle products in Java 8, AngularJS, and HTML5 on Amazon Web Services.

- Worked with Business Owners and Accounting to explore new business opportunity
- Built customer self-service portal to facilitate reverse logistics
- Maintained Amazon Source reseller sales portal, introduced AngularJS 1.2
- Championed Kanban and Functional Programming paradigms

Senior Software Engineer; Polycom, Westminster, CO April 2010 - July 2014

Lead Engineer of User Interface Development and Architecture for a video collaboration infrastructure project built with Java 7 and Tomcat on CentOS. Member of the Architecture Design Team. Responsible for systems engineering, API design, and data modeling.

- Lead Engineer of a ten person team developing ground-up REST HTML5 UI on NodeJS
- Technical Lead of a small team doing new feature design and development
- Independent development of a mobile conference moderation application. Earned bonuses worth 10% of salary for this effort.
- Led technical brownbag sessions introducing Google Guava and HTMLv5 to the team

Software Engineer II; Northrop Grumman, Aurora, CO February 2008 - April 2010

Lead algorithm and architecture developer on two small R&D projects. SSBI cleared

- Designed and implemented a clustering software for multi-million-point data sets
- Built novel statistical methods that earned a two million dollar project extension
- Reworked real-time processing system to improve data catchment

Education

Colorado School of Mines - *Master of Science* August 2006 - December 2007

- Computer Graphics and Applied Algorithms

Colorado School of Mines - *Bachelor of Science (High Honors)* August 2003 - May 2007

- Mathematics and Computer Science (Area of Special Interest in Metallurgy)