

## Ryan Cutter

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**SUMMARY** Full stack software engineer adept in server application development with a background in big data. Proficient at Java and Python on server and mobile platforms. Well versed in NoSQL cloud technologies and relational database systems. Hold active clearance.

**EDUCATION** M.E., Computer Science, University of Colorado-Boulder (2016)  
B.S., Computer Science, Virginia Tech (1999)

**SKILLS** *Primary skills listed first. Brackets indicate areas of mediocre expertise.*  
Languages: Java, Python, Jython, Perl, [C/C++, PHP]  
Database Systems: MySQL, PostgreSQL, [HBase, Jena/Fuseki, CouchDB, SimpleDB]  
Operating Systems: Red Hat (CentOS), Debian GNU/Linux (Ubuntu), Android  
Technologies: Lucene/Solr, Elasticsearch, Jersey, SQL, Jetty, Spring, [Hadoop/HDFS, AngularJS]

**EXPERIENCE** *Semantic Research, Inc.* San Diego, CA  
Senior Software Engineer 2011-Current  
Tech Lead on project which provides analytical capabilities on large volumes of data. Built Java web services and Python/Jython ingest scripts on top of HBase/MySQL persistence and SolrCloud indexes. Took a primary role in building, scaling, and maintaining a large cloud cluster in SaaS environment. Core member of team spearheading development of flagship server application including front-end work in AngularJS.

*United States Navy* San Diego, CA  
Lieutenant/Naval Flight Officer 2003-2011  
E-2C Hawkeye Mission Commander. Managed over 25 personnel responsible for aircraft electronic/weapon system maintenance. Supervised a team of 4 analysts as a Ship Modernization Installation Manager at PEO C4I.

*ValueClick, Inc. / Search123.com* Westlake Village, CA  
Software Engineer 2001-2003  
Responsible for traffic affiliate operations and developed numerous server-side C++ apps utilizing high-volume XML feeds, including an innovative fraud detection system.

*Continuous Computing Corporation* San Diego, CA  
Software Engineer 2001  
Created C interfaces for high availability software and coded demonstration programs featuring a Java/Swing server GUI and C Solaris clients.

*Bitlocker, Inc.* Palo Alto, CA  
Software Engineer 2000-2001  
Java web developer for this Internet database provider using proprietary technologies.

*SharpDB, Inc.* Herndon, VA  
Co-founder/CTO 1999-2000  
Sole developer of a LAMP application which enabled customers to embed database tools into web pages. Acquired by Bitlocker, Inc.

*CTGi* Oakton, VA  
Technical Consultant 1996-2000  
Worked on various client/server and web applications utilizing C, Perl, and PHP.