

Johnathan Gilday

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Summary

Senior Software Developer with eight years of experience predominantly in DoD software research and development efforts. Full-stack expertise in designing and developing applications using modern software stacks including mobile platforms, NoSQL cloud storage solutions, and cloud deployment automation technologies.

Education and Professional Certifications

M.S., Computer Science with a concentration in Enterprise and Web Computing, The Johns Hopkins University (*in progress, est 2016*)

B.S., Computer Science with a minor in Economics, Rutgers University

COMP/TIA Security+ certified professional

Technical Skills

- **Languages:** Java, Scala, JavaScript, HTML5, CSS3, LESS, C#, Ruby
- **JVM:** JAX-RS, JPA, JMS, JAXB, Servlet, Akka, Scalatra, Guice, Spring, OSGi, Jackson, JUnit
- **Web:** JQuery, AngularJS, Bootstrap, RequireJS, Jasmine, Yeoman, D3
- **Agile Tools:** Maven, Grunt, Git, BASH, Ansible, Jenkins, Vagrant
- **Databases:** Berkeley DB, Cassandra, MongoDB, RDBMS
- **IDEs:** IntelliJ, Eclipse, Visual Studio
- **Touch UI:** Android, Microsoft PixelSense
- **Cloud:** AWS EC2, Open Stack, Google Apps Script
- **Operating Systems:** Linux (RHEL, CentOS, Ubuntu), Mac OS X, Windows

Security Clearance

TS//SCI Poly (03/27/2013) INDOC Date: 04/23/2013

Professional Experience

Next Century Corporation

Senior Software Engineer

11/2012 - Present

- Supporting development of a customer collection filtering system. Focused on Java backend technologies, scaling and tuning NoSQL cluster (Cassandra, Berkeley DB), and infrastructure automation (OpenStack, Ansible).
- Supported an enterprise data service backed by a Berkeley DB NoSQL solution in the MWS service architecture. Focused on increasing test coverage for the Java and Scala code bases, automating production infrastructure and deployment, introducing analytics to the production system, and developing analytical web dashboards.
- Supported the effort to redesign the OWF system to employ a modular, Java based OSGi architecture capable of using SQL and NoSQL storage

U.S. Army CERDEC

Computer Scientist

2005 - 11/2012

- Lead in-house engineer responsible for developing the Tactical Marketplace product. Directed and developed the product's C# based REST API, HTML5 web front-end, Android and iOS clients.
- Utilized Service Oriented Architectures to extend the CPOF system with the ability to integrate with a DARPA decision support system
- Developed prototype Command and Control applications for mobile platforms, web, and Windows desktops.
- Developed a multi-user touch desktop with demo-applications and provided soldier training for prototype Command and Control Multi-touch Enable Table (COMET) and Microsoft Surface device (.NET 3.5)
- Co-authored a paper on "Command and Control in a Multi-touch Environment" for the 2008 Army National Science Conference.

The Daily Targum Publishing Company

Associate Online Editor

2007 - 2009

- Associate Online Editor for <http://www.dailytargum.com>
- Led web development efforts for special projects requiring custom code outside the scope of the content management system

Rutgers University OIT

On-site Field Consultant

2007 - 2008

- On-site field consultant for Rutgers Residential Networking (part-time)

Moss Gilday Group, LLC

IT and Web Development Support

2004 - 2009

- Part-time IT and web development support (developed <http://www.mossgilday.com>)
- Installed client-server LAN

Professional and Academic Recognition

2012 CERDEC CP&I Team of the Quarter - Tactical Marketplace

2010 CERDEC Employee of the Year award (Team category - COMET Team)

2009 PEO C3T Award of Recognition for dedicated support to the C2 Mobile project

2006 Recipient of AFCEA Dr. Joseph Frank Scholarship Award for students studying Computer Science

2006 Recipient of CompTIA Merit Award given by the CompTIA Education Foundation

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