

# George Gregory Ricker

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## Technology

**Architecture** Mirco services, Cloud, AWS, Docker  
**Framework:** Tapestry, Vaadin (GWT), Spring, Hibernate, Ionic, Apache Camel  
**Misc:** imageJ, openCV, VTK, SAAS, AJAX, BiRT, Json, JQuery,  
**Database:** Sql Server, Oracle, Postgres, Neo4j, MongoDB  
**Web Servers:** Tomcat, Jetty, Web Sphere LP  
**Dev. Tools:** Eclipse, Netbeans, SVN, Git, Agile  
**Languages:** C++, Java, Python, Node.js, Angular.js, JavaScript

## Professional Summary

2015 to Present



### **Liberty Mutual Insurance Senior Technologist**

Document Services/Management group is responsible for the storage and retrieval of all documents, email and text . Define the technology road-map. Research technologies and patterns that enable the move to cloud ready applications. Develop reference platforms for micro-services, distributed applications. Spearhead tech forums to enable knowledge sharing, best practices. Demonstrate the use of tool such as Python and R in data analysis.

2013 to 2105



### **Senior Architect. The ECHO Group, Conway, New Hampshire**

Information management for behavioral health and human service organizations. Responsibilities include leading development and QA team through meaningful use certification. Designed and implemented a certified secure messaging functionality. Designed a solution for lab order processing that aligned with goal of moving to services. Guided the development team on Agile/Scrum processes. Research into using Docker in an SAAS environment to reduce deployment issues.

2011 to 2012



### **Consultant/Senior Project Lead. SEAFAX, Portland, Maine**

Developed a SAAS-based financial and insurance Web application for a leading broker of commercial credit insurance in North America. Specific focus was given to issues of multiple languages.

2009 to 2011



### **Project Manager/System Analyst. State of Maine, Health & Human Services**

This position involved evaluating, advising new technologies, and RFP development for the Maine Department of Health and Human Services. Oversaw migration of software applications to updated frameworks. Integration with various state agencies. Promoted automated build process. Integrated 3<sup>rd</sup>-party applications with existing state environment as well as legacy systems.

2008 to 2010



### **Senior Architect/Project Lead. Biology Department, Bowdoin College, Maine**

Worked with Professor Carey Phillips for NIH-funded project, "Gene Regulation in Time and Space." Designed and developed system visualization tools for gene expression research. Designed a mobile app for viewing volumetric image data. Researched and developed algorithms for interpolation over time and space. Created a process to handle large data sets. Worked closely with a science research team with grant proposals.

2004 to 2008

**Senior Project Lead/System Analyst. CSC/Bath Iron Works, Bath, Maine**

Lead System Analyst for BIW Finance Group and Computer Science Technology's Global Technology Group. This position involved the design of new Work Management Web applications, a prototype custom database reporting tool, as well as the integration and maintenance of key legacy systems. Integrated RFID tracking system. The position required a broad knowledge of operating systems, languages, and databases. It involved extensive interactions with customers to discuss and assess various objectives.



1999 to 2004

**Architect/Project Lead. SAVI Technology, Sunnyvale, California**

SAVI built enterprise-class supply chain asset management systems using RFID technology. Data collection was done using mobile and remote embedded devices. A Web-based management system allowed the user to track and locate assets. Managed a team of several developers and QA/Test personnel. Responsible for developing all product requirements including application for high volume and performance (near real time), test plan, documentation design, field deployment as well as customer and senior management training. I managed and coordinated a major installation, involving over 400 remote sensors and 250,000 items.



**Personal Projects (rickerg.com)**

**-Sentiment Analysis of music lyrics**

<https://rickerg.com/2016/03/19/graph-of-a-musical-groups-albums-songs-and-lyrics/>

**-Machine Learning SCRUM Sprint Estimates**

<http://goo.gl/cNErUZ>

**-A year of data.** Working with 2 data sets exploring data analysis, python, R, Hadoop, Spark

<http://goo.gl/IkNDqZ>

**-Internet or Related Things IORT.** Thoughts in IoT and graphs <http://goo.gl/obz6p5>

**-Graph Database – Project Tycho.** Using Neo4j and R to analyze public health information(<http://wp.me/pAvvB-5X>)

**Education**

**Master's Thesis-** "Analysis of public health information utilizing graph databases"

**Bachelors of Science and Engineering**

Electrical Engineering Major  
California State University, Fullerton

**Masters of Science and Engineering**

Spatial and Information Science  
University of Maine, Orono