

PETER KNOLLE

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EXPERIENCE

Trifecta Technologies, Inc., 2011 to current, Technical Solutions Architect

- Technical architect on ISV product development consisting of a team of 3-5 developers
- Technology lead on Professional Services Force.com projects consisting of 3-5 developers
- Define Force.com coding standards and best practices
- Conduct technical design and code reviews
- Defined and implemented software development configuration management tool and process standards involving Git, SourceTree, MavensMate, Ant, and Bamboo for product development to support developers working in multiple environments and different branches
- Designed and implemented Force.com AngularJS app divided across a managed package and an unmanaged package
- Designed and implemented extensible APIs for a managed package
- Debugged and fine tuned to find and correct view state, SOQL query, and Apex issues
- Implemented multiple standalone Site.com sites for professional services' clients
- Prior to Force.com work, implemented Java/Spring based projects
- Technologies used included Apex, SOQL, Visualforce, JavaScript, AngularJS, Grunt, jQuery, HTML, CSS, Eclipse, MavensMate, Git, SourceTree, Bamboo, Ant, JIRA, Java, Spring, Tomcat, and MySQL

Andesa Services, Inc., 2008 to 2011, Senior Developer

- Technology lead on projects for corporate/bank owned life insurance policy administration
- Worked closely with clients, other developers, business analysts, project managers, and testers on a daily basis
- Defined configuration management practices using Subversion and continuous integration
- Conducted design and code reviews
- Promoted from Developer to Senior Developer
- Technologies used included Java, Eclipse, Linux, Subversion, Ant, UML, and Bugzilla

SRA International, Inc., 2006 to 2008, Software Engineer II

- Developed software for government contract
- Employee of the Month, August 2007
- Technologies used included Java, JSP, Servlets, EJB, Toplink (ORM), SQL, Oracle, Struts, and JavaScript

AOL LLC., 2006, Software QA Engineer

- Core member of Aim Pages Publisher QA team
- Developed and programmed a JavaScript extension library for Selenium to enable extensive automation of testing for the Publisher product
- Recipient of AOL Achievement Award for Teamwork in June 2006
- Technologies used included JavaScript, Selenium, and a proprietary issue tracking system

Tulane University, 2003 to 2005, Ph.D. Fellowship

- Under research fellowship, developed a Java GUI application and C++ utilities for automated simultaneous control of multiple remote Sony SNC-RZ30N webcams based on inputs from arrays of microphones
- Technologies used included Java, Swing, NetBeans, C++, UML

Kutztown University of PA, 2003, Research as undergraduate

- Designed and developed Java software for executing hybrid genetic algorithms for the NP-Complete set covering problem
- Algorithms implemented included the following: Fusion Crossover, Mutation with the ability to adapt, Nondeterministic and Deterministic K-Ary Tournament Selection with the ability to adapt, Memetic Algorithms, Greedy Randomized Adaptive Search Procedure (GRASP), Estimation of Distribution Algorithm (EDA), Initial Population Generation using seven different greedy heuristics, and Local Neighborhood Search
- Work was published in the Journal of the Operational Research Society
- Technologies used included Java, Swing, Apache Ant, and NetBeans

SALESFORCE CERTIFICATIONS

- Certified Advanced Developer
- Certified Developer
- Platform II Developer
- Platform I Developer
- Certified Advanced Administrator
- Certified Sales Cloud Consultant
- Certified Service Cloud Consultant
- Certified Administrator

PROFESSIONAL SALESFORCE AFFILIATIONS

- Co-founder and Co-Organizer of the LV Salesforce Developer Group
- Author of Salesforce experimentation and technical blog articles at peterknolle.com
- Salesforce MVP

HONORS AND AWARDS

- *Featured on Salesforce Developers Blog* – “Developer Success Story – Peter Knolle” <https://developer.salesforce.com/blogs/developer-relations/2015/12/developer-success-story-peter-knolle.html> - Salesforce.com, December 2015
- *Salesforce MVP (Spring '15)* – Salesforce.com, May 2015 – www.salesforce.com/mvp
- *Force.com MVP (Spring '14)* – Salesforce.com, May 2014 – developer.salesforce.com/mvp
- *Civil Sector FGO Employee of the Month* – SRA, International Inc., August 2007
- *Award for Academic Excellence for an Outstanding Graduate Student* – Department of Information and Software Engineering, George Mason University, 2007
- *Achievement Award for Teamwork* – America Online, LLC., 2006

EDUCATION

- M.S. (Software Engineering), George Mason University, 3.97 GPA
- B.S. (Computer Information Sciences), Kutztown University of Pennsylvania, 3.98 GPA

PUBLICATIONS

- Salesforce Developers Blog Articles (developer.salesforce.com)
 - *Building Apps with the Lightning Components JavaScript API*
<https://developer.salesforce.com/blogs/developer-relations/2015/04/lightning-components-javascript-api.html> - April 7, 2015
 - *Quickly Assemble Components Using Component Composition*
<https://developer.salesforce.com/blogs/developer-relations/2015/03/lightning-component-composition.html> - March 25, 2015
 - *Extending Lightning Components by Example*
<https://developer.salesforce.com/blogs/developer-relations/2015/03/salesforce-lightning-components-by-example-component-extension.html> - March 18, 2015
 - *Debugging Lightning Components*
<https://developer.salesforce.com/blogs/developer-relations/2015/03/debugging-lightning-components.html> - March 10, 2015
 - *Handling Custom Events in the Lightning Component Framework*
<https://developer.salesforce.com/blogs/developer-relations/2015/03/lightning-component-framework-custom-events.html> - March 10, 2015
 - *Salesforce1 Lightning Components – Working With Controllers*
<https://developer.salesforce.com/blogs/developer-relations/2015/03/lightning-components.html> - March 6, 2015
- *Journal of the Operational Research Society*. “An Empirical Study of Hybrid Genetic Algorithms for the Set Covering Problem” Vol. 56, No. 10, pp. 1213-1233, October 2005

PRESENTATIONS

- *Michigan Nonprofit User Group and the Traverse City Nonprofit User Group* “An Overview of Salesforce1 Lightning.” March 12, 2015
- *Code Coverage - Salesforce Developer Podcast* – “Episode 20 - Peter Knolle on Lightning Components”, <http://www.codecoverage.org/episode-20-peter-knolle-on-lightning/> - March 5, 2015
- *LV Salesforce Developer Group*, “An Introduction to the Analytics API in Apex.” April 2014.
- *Pennsylvania Association of Computer and Information Science Educators (PACISE) 2003*, Shippensburg, PA. “Genetic Algorithms for the Set Covering Problem.”