PETER KNOLLE

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610.533.8639

EXPERIENCE

Trifecta Technologies, Inc., 2011 to current, Senior Developer promoted to Solutions Architect
- Architect, Tech Lead, and Developer on Force.com projects consisting of 2-5 developers
- Designed and developed regularly with Apex, Visualforce, and Lightning Components
- Worked on SI and ISV projects
- Developed Force.com coding standards and best practices
- Conducted technical design and code reviews
- Defined and implemented software development configuration management tool and process standards involving Git, SourceTree, MavensMate, Bamboo
- Debugged and fine tuned to find and correct view state, SOQL query, and Apex issues
- Prior to Force.com work, implemented Java/Spring based projects
- Technologies used included Apex, SOQL, Visualforce, Lightning, JavaScript, AngularJS, Grunt, jQuery, HTML, CSS, Eclipse, MavensMate, Git, SourceTree, Bamboo, Ant, JIRA, Java, Spring, Tomcat, and MySQL

Salesforce.com - Contractor, 2016 to current, Two roles with Salesforce Certification Programs
- Platform Developer II Certification Programming Assignment Scenario Author
- Platform Developer II Certification Programming Assignment Scenario Judge

Packt Publishing, 2017, Technical Book Reviewer
- Performed technical review of Force.com Enterprise Architecture – Second Edition, by Andrew Fawcett

Andesa Services, Inc., 2008 to 2011, Developer promoted to Senior Developer
- Developer and Tech Lead on projects for corporate and 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

AOL LLC., 2006, Software QA Engineer
- Core member of Aim Pages Publisher QA team
- Designed 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
- 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

EDUCATION

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

SALESFORCE CERTIFICATIONS

- Advanced Developer
- Advanced Administrator
- Sales Cloud Consultant
- Service Cloud Consultant
- Developer
- Administrator
- Platform I Developer
- Platform II Developer
- Application Architect
- Community Cloud Consultant
- Data Architecture and Management Designer
- Development Lifecycle & Deployment Designer
- Platform App Builder
- Sharing and Visibility Designer

HONORS AND AWARDS

- Salesforce MVP 2017
- Salesforce MVP 2016
- Salesforce MVP 2015

- Salesforce MVP 2014
- Co-founder and Co-organizer of the LV Salesforce Developer Group, 2014 - current
- Featured on Salesforce Developers Blog – "Developer Success Story – Peter Knolle" https://developer.Salesforce/blogs/developer-relations/2015/12/developer-success-story-peter-knolle.html - Salesforce, December 2015
- 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
- Graduated Summa Cum Laude – Kutztown University of Pennsylvania, 2003

PUBLICATIONS

- Salesforce Developers Blog Articles (developer.salesforce.com)
  - *Building Apps with the Lightning Components JavaScript API* https://developer.Salesforce/blogs/developer-relations/2015/04/lightning-components-javascript-api.html - April 7, 2015
  - *Quickly Assemble Components Using Component Composition* https://developer.Salesforce/blogs/developer-relations/2015/03/lightning-component-composition.html - March 25, 2015
  - *Extending Lightning Components by Example* https://developer.Salesforce/blogs/developer-relations/2015/03/salesforce-lightning-components-by-example-component-extension.html - March 18, 2015
  - *Debugging Lightning Components* https://developer.Salesforce/blogs/developer-relations/2015/03/debugging-lightning-components.html - March 10, 2015
  - *Handling Custom Events in the Lightning Component Framework* https://developer.Salesforce/blogs/developer-relations/2015/03/lightning-component-framework-custom-events.html - March 10, 2015
  - *Salesforce1 Lightning Components – Working with Controllers*
  - https://developer.Salesforce/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

- *Pennsylvania Association of Computer and Information Science Educators (PACISE) 2003*, Shippensburg, PA. "Genetic Algorithms for the Set Covering Problem."
- *Code Coverage - Salesforce Developer Podcast* – Episode 20 - Peter Knolle on Lightning Components, http://www.codecoverage.org/episode-20-peter-knolle-on-lightning - 3/5/2015
- *Salesforce Developer Group* – Have presented at Developer Groups in person and remotely:
  - Lehigh Valley Salesforce Developer Group (multiple times, http://bit.ly/2FJNizC)
  - Orlando User Group
  - Michigan Nonprofit User Group and Traverse City Nonprofit User Group