# STEPHEN P. RUFLE

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## TECHNOLOGIES

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| --- | --- | --- | --- |
| Operating Systems | Languages | Databases | Version Control |
| * Windows * Linux/Mac OSX | * Java * PowerShell * Bash * Python * Ruby * Groovy * C#/.Net | * MySQL * MS SQL Server * Oracle | * Git * AWS Code Commit (Git) * SVN * TFS |
| Methodologies | Agile Tools | Build Tools | Infrastructure |
| * SCRUM * Lean/Kanban * DevOps | * JIRA * Rally * TFS | * Jenkins/Hudson * Gitlab * Ant/Maven/Gradle * Psake, Custom PowerShell * VMware PowerCLI * Octopus Deploy * Nexus/Sonar/Artifactory | * Vagrant/Packer/Terraform * VMware/ProxMox/KVM * VirtualBox * AWS * Docker * AWS Elastic Container Registry (ECR) (Docker registry) * Chef/SaltStack |

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| --- | --- |
| Testing Technologies | Web Technologies |
| * Junit/TestNG/DBUnit/Mockito * Selenium Webdriver/Sikuli * Pester/Nunit | * HTML/CSS/Javascript/jQuery * JSF/JSTL/JSP/Servlets * XML/DOM/SAX/XSLT/XPath * JSON * JAXB/Castor * JAX-WS/SOAP * Spring/Spring MVC/Webflow/Hibernate/Spring Roo * Apache Tiles * Acegi Security/CAS/Spring Security |

## PROFESSIONAL EXPERIENCE

**DevOps Engineer**  
***Company:*** [Concord Servicing Corporation](https://www.concordservicing.com/), Scottsdale, AZ 85251  
***Timeframe:*** 10-2017 – Current

* Helped build a two different CI/CD pipelines using
* Jenkins, Octopus Deploy, Nexus binary repository, Docker registry, Gitlab, AWS ECR, AWS S3, AWS Code Commit
  + Nuget, msbuild, psake, maven
* PowerShell, Bash, Python, C#, Ansible
* PowerCLI - VMware, Docker
* ProxMox (KVM) - Built an automated Jenkins pipeline that deploys containers to an existing 5 node Docker swarm. The build utilizes shared library code pulled from AWS Code Commit to create a standard build pipeline across different projects.
* Scripted the creation of AWS IAM users
* Created a default password and AWS Code Commit SSH key for the user, and generated a getting started document.
* Added the user to a group that allowed access to AWS using default AWS policies (ECR, Code Commit)
* Automated the creation of multiple Docker swarms in four environments.
* Utilized shell scripts and Ansible playbooks to create a Docker swarm.
  + Leveraged new docker module in Ansible to create a manager node and join the worker nodes.
  + Injected secrets into swarm.
  + Bootstrapped a custom "Deployer" application that watches an S3 bucket, and deploys new versions of containers from ECR when it sees changes.
  + Deployed a portainer instance so users could have an interface to view information about stacks/services in the swarm. One major benefit developers gained was easy access to container logs.

**QA/DevOps Automation Engineering Consultant**  
***Company:*** [agiletestingframework.com](http://www.agiletestingframework.com/about/), Tempe, AZ 85284  
***Timeframe:*** 01-2014 – 10-2017

* Developed build/deployment of Nuget packages for more then 40 applications
* Developed automation frameworks using WebDriver for a number of clients
* Helped coach teams on how to best develop applications taking automated testing into account
* Created Chef cookbooks to deploy internal applications and client build pipeline infrastructure
* Deployed internal ATF build pipeline on AWS
* Used SaltStack and Vagrant to create a set of demonstration VM's that had
* Jenkins/SonarQube/Nexus/MySQL/Tomcat installed

**QA Automation Engineer**  
***Company:*** Forever Living Products International, LLC, Scottsdale, AZ  
***Timeframe:*** 07-2013 - 03-2014

* Developed automated testing framework to test the IFS Web application
* Technologies used consisted of Sikuli to do image matching, AutoIT to interact with windows, Guice for dependency injection, Apache commons libraries for configuration data, reading/writing excel documents
* Tests were run using TestNG from Maven using and inside Eclipse

**QA Automation Engineer/J2EE Software Engineer**  
***Company:*** Able Engineering / Evaluate To Win Phoenix, AZ  
***Timeframe:*** 08-2011 - 07-2013

* Converted from jUnit to TestNG for functional testing that required a specific order of operation.
* This reduced the time to run all tests from 5 hours doing each suite manually to 3 hrs for end to end completion of 15 suites with an average of 10 tests
* I am an active participant in the Phoenix Selenium Users Group
* I recently gave a presentation on “Using JQuery with Selenium/WebDriver”
* Will be attending the “2013 SeConf” in order to learn more about the state of the art in automated testing
* Setup code quality procedures and development platform using JUnit, Maven, Hudson/Jenkins
* Setup Jenkins to automatically generate and gather code metrics using Sonar, Cobertura, and FindBugs
* Setup a Nexus repository to facilitate the distribution of tools that did not have their own Maven repositories. Local repository was also used to hold our production release wars
* Have designed, developed, and coded in all phases of a SCRUM/Agile environment for the full life-cycle of the project
* Have been the primary person to deploy to Amazon EC2 production
* I have the ability to communicate technical concepts to non-technical business stakeholders, train and mentor junior developers, lead technical design and code review sessions, and to make presentations to both technical and non-technical audiences.
* Worked in a developer role on a project consisted of designing and developing systems in a J2EE environment, including Spring, Hibernate, Servlets, JSP, JDBC, JMS, JNDI, and XML technologies. So I have a firm understanding of developer concerns and how to help make them part of the quality process
* Trained new employees on our current system and setup tool chain for development. Wrote an internal wiki article outlining process
* Developed numerous bash/batch scripts to automate resetting test data
* I have strong relational database skills, including design and normalization, of complex SQL queries, and basic performance tuning
* Have written MySQL stored procedures to convert primary key columns to a shorter length during a performance optimization task

**Lead J2EE Software Engineer**  
***Company:*** Salmon LLC Mineola, NY  
***Timeframe:*** 09-1999-08-2011

* Responsible for all aspects of the software development of the Fujifilm USA a high volume website from 2000-2008 using a J2EE environment, including EJB, JDBC, JMS, JNDI, and XML technologies.
* Interfaced with the Sales and Marketing departments to gather requirements
* Managed a small team (4-5 people) of remotely distributed Java developers , all in a different time zones, and coordinated tasks with client and outside design team that provided HTML/CSS assets
* Enforced coding standards using PMD and FindBugs
* Lead code reviews utilizing static analysis tools such as PMD and FindBugs
* For 8 yrs was deployed to a clustered BEA Weblogic environment using a MySQL backend
* Other technologies used SOFIA, JSP/Servlets, Fatwire Content Management
* Implemented custom administration screens for complex content management tasks using SOFIA/JSP/Servlets
* Implemented SOLR searching and faceted navigation
* Implemented build and deployment scripts using the Apache ant build tool
* Process dealt with load balancers and synchronizing production data

**Lead Software Engineer**  
***Company:*** Guadagno Consulting Rochester, NY  
***Timeframe:*** 04-2006-04-2007

* Developed a “Quote Management System”, using Spring/Hibernate/JSF, these technologies where deployed to the Apache Tomcat JSP/Servlet container and connected to an Oracle backend
* I have the proven ability to closely work with business stakeholders to gather system requirements and translate into a technical design
* Reverse engineered Hibernate DOA objects from a an existing Oracle database, then used mapped objects to manage data
* JSF/MyFaces was used to implement the view
* User login connected to an LDAP server using “Acegi Security" and "CAS"

## EDUCATION

Bachelor's of Arts in Virtual Reality (CS)  
University of Advancing Technology Tempe, AZ 1998

* Sun Certified Java Developer (1999)
* CompTIA Linux+ XK0-004 (2019)