

Devops Engineer Devops Engineer Devops Engineer - Engage Financial Technology Encinitas, CA
Work Experience Devops Engineer Engage Financial Technology - San Diego, CA October 2018 to
Present Automated deployment for backend applications using Ansible and Jenkins. Created
continuous integration pipelines for all backend code, including Spring Boot applications, using
Jenkins. Collected performance and system metrics using Stats D with reporting in DataDog.
Instituted log aggregation, collecting application and system logs, for easy querying in DataDog.
Created and maintained Kubernetes cluster for Spring Boot microservices. Organized on-call alert
system using PagerDuty. Automated database schema updates for backend applications using
Liquibase. Principal Software Engineer CSA Travel Protection - San Diego, CA February 2017 to
June 2017 Instituted continuous integration using Jenkins, automating job creation for newly
created branches via pipelines. Led team to internationalize ID theft prevention web site, using
Spring MVC and REST. Instrumental in AWS migration efforts, creating Ansible playbooks
orchestrating deployments for Wildfly and Tomcat web applications. Instituted code review
process using GitLab. Implemented git flow branch management for various Spring applications.
Demonstrated use of consumer driven contracts to verify consumer and producer interaction. Sr.
Software Engineer San Diego, CA June 2015 to January 2016 Worked with team to create event
based architecture, backed by Kafka, providing event-driven lab automation. Collaborated on
REST API front-end of service bus, using Resteasy and Guice. Leveraged swagger/swagger-ui so
that API documentation was generated from the code, reducing integration errors. Instrumented
application code to emit metrics via Stats D, allowing performance monitoring. Installed
graphite/grafana for real-time performance visualization. Worked with team to create ansible
playbooks which automated EC2 deployments. These routines included installation and
configuration of services such as Zookeeper, postgresql, and Kafka. Introduced Vagrant to
development team for automated development environment setup. In addition, virtualization
provided a quick means to verify deployment scripts. Created a flexible mock service to simulate
the application's integration with 3rd party services. Used by both QA and developers, it dramatically
reduced a feature's QA cycle. Sr. Software Engineer Synticity - San Diego, CA August 2014 to

June 2015 Lead effort to install Jira issue/project tracking tool. Provided training on its use to staff.

Tripled the amount of unit tests executed upon each commit from 300 to 900. Introduced dependency management to build process using Ivy. Designed and created report workflow feature, allowing users one-click report generation within the application. Backing code leveraged Groovy to automate what had been a time-intensive, manual process. Developed microchip defect detection application using Spring Boot and ActiveMQ. Introduced Vagrant to automate creation of development environment, faithfully re-creating critical aspects of production environment. Sr. Software Engineer Verve Mobile - Carlsbad, CA August 2008 to February 2014 Created mobile advertising web service using Tomcat, Hibernate, and Spring. More than 300 million HTTP requests were serviced per day, peaking at 9,600 transactions per second. Technical lead for ad network integration engine, which retrieved ads from third party ad networks. Leveraging Groovy, introduced a Domain Specific Language (DSL) to describe these integrations, greatly reducing effort needed to realize relationships with advertising partners. Collaborated with others to create mobile web publication platform, which allowed customers like the Associated Press and Miami Herald to quickly create sites for mobile-based browsers. Publication platform used Spring, Hibernate, HTML5, and Angular.js. Created web based administrative tools using Struts 2 and jquery, providing control over advertising engine and publisher platform. Collaborated with others to create and maintain J2EE web service to authenticate and provide content to popular iPhone/Android client applications.

Streamlined application lifecycle, from build, test, release and deployment, using Maven, Jenkins, and Capistrano. Introduced MySQL database schema/test data management using Liquibase. Increased code test coverage by 30% through use of automated browser tests. Software Engineer MediaSolv/Trantech - Herndon, VA August 2007 to May 2008 Instituted code reviews and agile methodology amongst development team. Collaborated with engineering staff to create applications for use by law enforcement to manage video assets. The application UI used Java Server Faces framework. Software Engineer Spider Strategies - Washington, DC January 2007 to July 2007 Created unit-test infrastructure and educated colleagues about unit testing techniques. Software Developer Sunrocket, Inc - Vienna, VA May 2005 to December 2006 Technical lead for

sign-up web application, the primary channel for new customer acquisition. Able to handle the thousands of new customer sign-ups per day. Software Developer Be Home Wise - Vienna, VA March 2004 to May 2005 Web Developer Cable & Wireless - Vienna, VA October 2001 to December 2003 Education Bachelor of Arts in English Shippensburg University - Shippensburg, PA 1995 General Manager FM College Radio Links <http://www.linkedin.com/pub/keith-collison/4/558/80b>

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