

# Robert Abeyta

robert@abeyta.me (219) 262-0089 <https://robert.abeyta.me>

Engineering leader with over 15 years of enterprise development experience with a passion for automation, focus on quality, and drive for business success. Experience building teams, platforms, and contributing to innersource success. Owns projects from requirements through production, including supporting platforms (stakeholder communication, defect management, production monitoring, and on-call rotations).

## SKILLS

<b>SOFTWARE DEVELOPMENT</b>	Agile Methodologies, Continuous Integration, Continuous Delivery, Continuous Deployment, Microservice Architectures, Service Oriented Architectures, REST / SOAP Web Services, Remote Collaboration, Behavior-Driven Development, Microservice Architectures, Reactive Architectures
<b>JAVA</b>	Java 11, Netflix OSS Stack, JEE, Jersey, Guice, Spring - Boot, Web MVC, Core, JDBC
<b>WEB DEVELOPMENT</b>	HTML, CSS, Javascript, JQuery, Bootstrap, AngularJS, Ember.js
<b>TOOLS</b>	Git, Subversion (SVN), Eclipse, IntelliJ, Xcode, Maven, Gradle, Jenkins, Splunk, New Relic, Signal Fx, JBehave, Serenity BDD, Miro
<b>PLATFORMS</b>	Amazon Web Services (AWS), Kubernetes (CKA + CKAD Certified)

## EXPERIENCE

### VMware

**Staff Field Engineer - Tanzu Practice - Global Technology Team** February 2022 - Present

Engineer responsible for enablement assistance of internal and external customers with their platform journey utilizing VMware Tanzu Kubernetes products on Amazon Web Services (AWS) and vSphere. The journey involves installation and setup of Kubernetes clusters, automation such as Terraform for infrastructure, and application migration to the newly created platforms.

- Built and maintain Learning Hub Journey to facilitate engineer onboarding and enablement of Tanzu Activation Services offering. The journey provides multiple learning paths that teach the engineer of the engagement, products involved, and technical knowledge required to successfully deliver on the service offering
- Built and maintain an engagement backlog with accompanying playbook to enable completion of a Tanzu Activation Service - TKO in a consistent and agile way
  - The agile backlog solution provides engineers with a customizable engagement backlog of curated platform capabilities required accomplish the engagement in an agile methodology. The backlog covers the full engagement from team and infrastructure readiness, through platform installation and customer application onboarding.
  - The accompanying playbook compliments the backlog and provides additional context to engagement activities. The playbook enables new hires as well as experienced engineers to quickly come up to speed on what is involved in the engagement, product information, and required technology.
- Created patterns for documenting and scaling engagement information across engineers
- Create and publish patterns for internal projects to enable a consistent experience with quick on-boarding and productivity

### Nike

**Engineering Manager - Nike Communications Platform - Feeds Squad** September 2019 - February 2022

Engineering manager responsible for the design, development and maintenance of platforms that drive multiple experiences within Nike's mobile applications. Our platforms enable personalized experiences on the home/feed tab within Nike+ Run Club (NRC), Nike+ Training Club (NTC), and Nike App (Nike Mobile Shopping experience). You will also interact with our platforms while encouraging your NTC/NRC friends in our social network or liking the latest styles in the SNKRS app.

- Responsible for team's culture and growth (personal and professional). Hiring (internal and external workers), mentoring, and furthering career opportunities

- Responsible for development, quality and support of multiple domains (70+ microservices) within the social network and communication spaces
- Build and maintain team development processes focused around quality, dev ops, observability and service availability
- Planned, designed, and led execution of multiple experience APIs that power the new home experience in NRC, NTC, and Nike App
- Active participant in Communities of Practice - help solve problems and mentor other engineers across the org
- Build, support and maintain internal libraries used by multiple teams across the org
- Active participant in production support and service development within the team. Includes on-call rotation, bug fixes, and feature development
- Create dashboards, alarms, and appropriate logging to ensure observability and monitoring for services
- Collaboration with App Product Owners and Stakeholders to ensure priorities are understood and project status is known
- Responsible for intake, planning and execution of team's internal and cross team projects
- Collaborate and enhance existing content moderation capabilities, including vendor integrations, custom work flows, and reporting
- Experience building out platforms on AWS that scale beyond default limits, including managing costs associated with the scale
- Build automation as needs arise. Examples: Find and tag untagged AWS resources. Notify through Slack when a DL queue alarm has not been addressed
- Build and maintain pipeline templates used for common deployments (services, libraries, S3 artifacts), domain tests, and dead letter queue replay
- Migrated more than 250 repos from Bitbucket to Github, including automation as necessary
- Integrated with internal CMS system to provide feed card validations to prevent Content Authors from publishing content that doesn't meet the base requirements for fan out

## Nike

### Lead Software Engineer - Feeds Platform Team February 2016 - September 2019

Lead Software Engineer on the platform team responsible for design, development and support of the Nike Feed. Our team is responsible for enhancement, support and monitoring of 70+ microservices, across 9 logical domains, hosted in AWS that drive the social network used within all Nike mobile applications. Example mobile applications using our platform components are Nike+ Run Club (NRC), Nike+ Training Club (NTC), Nike App (Nike Mobile Shopping experience), and SNKRS.

- Design and development of image, video, and audio storage and retrieval system that is used within our mobile and retail applications - EC2, S3, SNS, SQS, Dynamo, CloudFront, Route53, CloudFormation, CloudWatch
- Design and development of image migration process to enable migration of images from an existing provider to our system - EC2, S3, SQS, Dynamo, CloudFormation, CloudWatch
- Design and development of request composer library and reference application to enable server side request composition within our platform
- Development of automation pipelines to enable deployment to test and production environments to ensure quality and limit regression introduction - Jenkins1
- Design and development of likes migration process to enable consolidation of services and app likes into our system without downtime or issue for mobile applications
- Design and development of background coordination and aggregation service that feeds events and audits completion of multiple service domains for GDPR and DPA compliance - EC2, S3, SNS, SQS, Dynamo, CloudFormation, CloudWatch
- Design and development of user moderation services to help facilitate user engagement and policy enforcement - EC2, S3, SNS, SQS, Dynamo, ElasticSearch, CloudFormation, CloudWatch
- Plan, Document, Design, and Implement moving domains from one AWS Account to another without downtime. Move included Cassandra clusters, microservices, queues, topics, automation and routing
- Design and development of enterprise url shortener used in social media posts and customer service responses. UI used internally by employees (SSO Integrated) and API access for internal services and vendors. Migrated urls from two other services (one vendor, one internal) - EC2, S3, SNS, SQS, Dynamo, Route53, CloudFormation, CloudWatch
- Created templates and migration plan for all dev ops pipelines from Jenkins1 to Jenkins2. Assisted with building out generic blue green pipelines for usage by enterprise (innersource contributions) - Jenkins2, Groovy
- Plan, document, design and development of migration from Cassandra to Dynamo for multiple domains with zero downtime
- Built system using EC2 Lifecycle Hooks to manage Eureka cache lag to prevent service interruptions during ASG scale in activities
- Built canary targeting method using Eureka for usage during deployment pipeline automation to enable automated regression testing of new version of code
- Built automation to replay messages from a dead letter queue to the original queue

## State Farm

### Java Web Developer - Integrated Development Group (iDG) November 2012 - February 2016

Developer in a high performing and skilled area of our department that provides development services to other areas of our company. Using agile methodologies, design and develop customer facing and internal applications using proprietary and industry standard open source frameworks. During the project life cycle I actively participate in code reviews, design sessions, and mentor developers on a daily basis. I am focused on quality solutions that are easy to support and perform well.

- Development lead for a team of 5-8 developers
- Daily collaboration with team members in my location and across the country to facilitate quality development practices which include daily standups, code reviews, and peer interaction
- Design, develop, and support of internal and external customer facing applications to facilitate Auto, Fire, and Life insurance purchasing
- Design system to enable employees and customers communicate through SMS communication
- Iterate through requirements and high level design of new internal Banking system
- Formal and informal mentor for newer developers
- Create and present technical presentations for our enterprise development community
- Create and manage Jenkins jobs to support continuous delivery flows of multiple deployables
- Learned Objective-C, iOS APIs, and Android APIs to provide a large internal user base mobile applications to perform their job in the field
- Built multiple developer tools to automate and speed up daily, long running tasks. These tools range from password change utilities to Eclipse Plugins for quality metrics to Maven plugins for deployment automation

## State Farm

### Systems Analyst - Auto Quote and Purchase December 2010 - November 2012

Part of a team that iterated over an application re-write to enable consistent look and feel for internal and external customers quoting and purchasing auto insurance on the internet. Developed multiple features over many releases and worked on a support team troubleshooting application issues and putting fixes into production.

- Completed analysis of existing code and applications, then created designs and component specs that were handed off to other developers to implement
- Lead developer and support analyst for 2 customer facing applications.
- Formal and informal mentor for newer developers
- Developed and presented training to new developers coming onto the product suite
- Was a sought after resource when complex requirements or projects came about. Designed, coded, and tested complex requirements that span multiple technologies and areas.

## State Farm

### Systems Analyst - Claims May 2005 - December 2010

Part of a team that migrated an older claim system into a more modern version. Performed development lead role that was responsible for the quality and implementation of 7 different applications within the claims system. This included design, development, cross application dependency coordination, resource estimation, and mentorship.

- Worked closely with business partners to ensure requirements met current and future needs
- Dual roles with project and support providing new functionality to business partners while supporting existing applications in production
- Worked with onsite and offshore teams and fostered collaboration between them
- Formal and informal mentor for newer developers

## EDUCATION

### DeVry University

Jul 2001 - Oct 2004

Bachelor - Computer Information Systems