JASON KULATUNGA

San Francisco | California
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Summary	Over 14 years of professional software development experience. Devops and automation focused, with significant experience designing robust cloud based deployment orchestration and scalable architecture.
	AWS, Azure, GCP, Kubernetes, Chef, Devops, Docker, Jenkins, Go, JS/Node, Python, Ruby

Experience & Qualifications

Adobe

Senior Devops/Infrastructure Engineer 2 (P55) |Jan 2022 - Present|

Responsibilities & Accomplishments

- Owner/architect for the build & orchestration systems and related infrastructure for Adobe Sign, capable of deploying a monolith/microservices hybrid application to 12+ regions around the world, spanning both AWS & Azure.
- Architect of Adobe Sign's GovCloud (FedRAMP compliant) Deployment Infrastructure & Employee Authentication workflows, coordinating with internal stakeholders, security and 3PAO auditors.
- Leader/subject-matter expert of cross-functional teams, providing organization wide guidance for vulnerability lifecycle, platform tooling and developer workflows

Technical Environment

AWS, Azure, Kubernetes, Python, Terraform, Chef, Jenkins,, Centos, Ruby, Golang

Senior Devops/Infrastructure Engineer (P50) |Sept 2017 – Jan 2022|

Responsibilities & Accomplishments

- Architected scalable on-demand Jenkins build cluster using Terraform and Kubernetes. Compatible with multiple clouds like AWS, OpenStack & GCP.
- Maintain Code Coverage integration & platform tooling
- Architect for a cloud-agnostic Terraform deployment tool for micro-services, supporting multiple infrastructure-as-code deployments in the same related Terraform project, with configuration inheritance.
- Designed SCM branching/orchestration patterns used for development & deployment of software written by hundreds of developers
- Introduced scalable Devops tooling written in Go

Technical Environment

Amazon AWS, Azure, Python, Terraform, Chef, Jenkins, CoreOS, Centos, Ruby, Golang

Build Automation & Infrastructure Engineer (P40) | Apr 2014 – Sept 2017|

Responsibilities & Accomplishments

- Architected Continuous Deployment pipeline for orchestration artifacts (Chef cookbooks, Python applications), publishing to Artifactory.
- Maintain a half dozen Jenkins masters using automation (Chef cookbook + Jenkins Job DSL + Jenkins Pipelines)
- Architected our resilient deployment orchestration pattern for AWS infrastructure: distributed, blue-green, highly-available & geo-sharded.

Technical Environment

Amazon AWS, Chef, Ruby, Jenkins, Python, Java, GitHub, Ruby, SASS, ActiveMQ

Compass Inc. |Apr 2013 - Apr 2014|

Lead Architect

Responsibilities & Accomplishments

- Working iteratively with designers, creating specifications, modules and design guidelines. Through this process I implemented the well-received Compass redesign.

- Solely architected and transitioned the product, moving from a prototype to a modular, scalable, API service oriented data collection application managed and maintained via Chef cookbooks.
- Tightly coupled collection and display components were separated and an asynchronous web application was built.
- Transitioned Data processing pipeline and Machine Learning engine (written in Python & R) to a scalable solution leveraging clustered cloud servers for processing.
- Grew the team to 5 developers and data scientists who work under my direction

Technical Environment

Amazon AWS, Ruby-on-Rails, Chef, Heroku, MongoDB, RabbitMQ, Python, R, OAuth, Third Party API's, Machine Learning, GitHub, Ruby, SASS, AngularJS, D3.JS, Docker, Build Automation

SparkTree Inc. |2011-2013|

Founder

Responsibilities & Accomplishments

- Designed, built and marketed the QuietThyme cloud ebook manager. Created a profitable application within 2 months of initial release with 600+ users and almost 20000 books. Integrated with multiple cloud storage providers including Amazon S3 and Dropbox. Created a web ebook reader in Javascript which is used thousands of times a month. Reviewed by CNet, MakeUseOf, niche ebook blogs such as DearReader and multiple foreign tech blogs such as WWWhatsNew.
- Consulting services for large corporations, developing critical web applications. Built IOS applications integrating with OAuth, SAML and PubCookie. Built an offline web app installer used by more than 30 sales personnel across western Canada.

Technical Environment

Amazon AWS, Entity Framework, OAuth, OpenID, MVC3, Dropbox, Quartz Scheduling, Visual Studio 2012, Windows, SQL Server 2008 R2, Entity Framework, JQuery, AngularJS, Knockout, Bootstrap, JSON, XAML, 3rd Party API's, GitHub, Stripe, Linq, WIX, NodeJS

University of Alberta, University Digital Strategy |July 2011 – March 2013|

Web Application Developer

Responsibilities & Accomplishments

- Architect in agile environment, building custom flexible, interative, responsive web applications. As part of a 20 person team, I helped develop the award winning University of Alberta Institutional site in Sitecore.
- Implemented a campus wide Google calendaring system which extends Google Calendar API to support custom event categories, location information and aggregates over 20 faculty campus event calendars into one Institutional calendar.
- Built a web voting application for the Graduate Students Association, which is used twice yearly by the more than 7000 members of the GSA to run student union elections.

Technical Environment

.NET, MVC3, Visual Studio 2010, Windows, SQL Server 2008, Entity Framework, Javascript (JQuery, AngularJS, BackBone), CSS, HTML5, Powershell, Sitecore, 3rd Party API's, GitHub

Please Note: Additional work experience can be provided on request.

Education

BSc Computer Engineering |Edmonton, Alberta, Canada|

University of Alberta, Graduated April 2010.

4th Year Capstone Project: An Atmel Single-board Computer was integrated with a touch LCD. Developed software that could be controlled using finger gestures or an 8 directional joystick. A DAC was used to produce 8 bit sound using a custom designed sound driver.