



# PAUL KAMAU

Certified AWS Cloud Solutions Architect

- ◆ Phone: (678) 608-5996
- ◆ Portfolio: <https:paulkamau.com>
- ◆ Email: [paul@teamrugged.io](mailto:paul@teamrugged.io)
- ◆ Atlanta, GA
- ◆ [Linkedin](#)
- ◆ Certification: [AWS Certified Solutions Architect - Associate](#)

## INTRODUCTION

Hi there! I'm Paul and I'm an insatiable learner with a passion for Cloud Technologies, Payments Processing Solutions, and Product Development.

## TECHNICAL SKILLS

### Amazon Web Services (AWS)

**Compute:** Amazon EC2, LightSail, AWS Lambda, Auto Scaling

**Storage & Content Delivery:** Storage S3, Cloud Storage, Elastic File Systems, Athena

**Database:** Relational Database Service (RDS), DynamoDB, Redshift, Aurora

**Networking:** VPCs, Route 53, Elastic Load Balancing, Subnets, Security Groups, IGs

**Management Tools:** CloudWatch, CloudFront, CloudTrail

**Security and Identity:** AWS IAM

**Application Services:** SQS, SWF, Simple Email Service (SES), Amazon Elastic Transcoder

### Google Cloud Platform

**Compute & App Engine**

**Storage & Database:** SQL, Storage

**Networking:** Cloud DNS, CDN, Load Balancing,

**Security & Identity:** Cloud IAM, Resource Manager, Security Scanner

**Management Tools:** Monitoring, Deployment Manager, Error Logging, Cloud Console, Source Repositories

**Monitoring:** Cloud IAM, Resource Manager

### Web Technologies

**Programming Languages:** PHP, HTML 5, CSS 3, jQuery, AJAX

**Scripting:** AWS Cloud Formation, JSON, SQL, Katalon

**Frameworks:** Laravel PHP, Bootstrap, Pusher, LAMP

**Payment Processing Tools:** Stripe, Braintree  
**Servers:** Laravel Forge, Digital Ocean, Linode, AWS LightSail

**Deployment Tools:** Laravel Envoyer, Deploybot, Beanstalk, Jenkins CI

**Development Tools:** XAMPP, Bitbucket, SourceTree, Atom, Bugsnag, JIRA

**Database Technologies:** Oracle, MySQL, Toad, Heidi SQL, MySQL Workbench

**Security Tools:** Encryption fundamentals (SSL, SSH)

**Business Intelligence Tools:** Microsoft Power BI

## SPECIALTIES

- ◆ Credit Card Rewards Processing Solutions
- ◆ Web Application Development with Laravel
- ◆ Product Innovation
- ◆ Cloud Computing & Adoption Strategies
- ◆ Business and System Analysis
- ◆ Process Improvement

## PROFESSIONAL EXPERIENCE

### Senior Cloud Consultant March 2019 – Present

**Manhattan Associates:** *A technology leader in supply chain and omnichannel commerce*

### Senior Business Solutions Architect January 2015 – February 2019

**TSYS:** *A credit card processor, merchant acquirer and bank credit card Issuers Company*

- ◆ Lead Solutions Architect in the successful launch of multiple bank's Credit Card portfolios.
- ◆ Facilitator in workshop and discovery sessions with banks to gather requirements and communicate product features and capabilities.
- ◆ Oversight and delivery of multiple product enhancements as part of client implementations.
- ◆ Clear communication of technical components to non-technical clients in an understandable way.
- ◆ Subject matter expert in the building of credit card rewards programs for points accumulation, web solutions, file interfaces, domain and hosting solutions, SSO with custom token and SAML integration.
- ◆ Leveraged system knowledge in the design of system screens and database structures.
- ◆ Liaison between client end-users, programmers and test analysts in the analysis, design, configuration, testing and maintenance of systems and ensured optimal operational performance.
- ◆ Provided in-depth analysis and recommendations on best practices when supporting testing/planning/validation by clarifying intended functionality.
- ◆ Disciplined documentation practices of new product features and capabilities for our internal teams and client partners
- ◆ Mentored and developed successful working relationships with junior analysts to advance their growth and expertise in their role.
- ◆ Facilitated end to end testing by Internal and client teams.

### SaaS Web Products and Cloud Solutions Architecture May 2015 – Present

**Personal projects:** For the last 4 years, I've architected, coded and executed the end-to-end development and launch of multiple SaaS Web products with hands on experience of migrating them to the AWS and Google Cloud over the past 2 years.

Engineered a split Cloud adoption strategy by running production facing SaaS applications on Amazon AWS and the demo applications on Google Cloud Platform. These SaaS products are currently live and are listed below:

1. [RuggedProjects](#) – A project management subscription-based web application
2. [RuggedTasks](#) – A task management application for light-weight ideation and task workflow.
3. [RuggedSocial](#) – A subscription based social network

### Amazon AWS brief summary



## PUBLICATIONS

- ◆ How to launch a fast, cost-optimized serverless site with continuous deployments using Bitbucket, AWS S3, Route53, and CloudFront ([read](#))
- ◆ How Artificial Intelligence as a Service can be used to detect and filter inappropriate images with Sightengine and Laravel. ([read](#))

## SaaS APPLICATIONS

- ◆ [RuggedProjects](#) – a project management tool built to make your work fun and productive
- ◆ [RuggedTasks](#) – a light-weight task management tool
- ◆ [RuggedSocial](#) – A subscription based social network

## EDUCATION

### **KENNESAW STATE UNIVERSITY**

May 2010 – December 2014

**Major:** Bachelor of Business Administration in Information Systems

**GPA:** 3.2

**Recognition:** 2014 Summer Semester President's List

- ◆ Ability to facilitate architecture decisions related to AWS services (Route 53, ELB, EC2, ECS, SQS, SNS, CloudWatch, Lambda, Dynamo DB, Kinesis, etc.) as well as the overall eco system of public cloud model such as key management, logging/security, CI/CD tooling etc.
- ◆ Developed expertise in building VPCs from scratch with subnet, route and address requirements that matched to architecture needs.
- ◆ Early use of AWS using LightSail before fully adopting EC2 Instance and Auto scaling for a secure, resizable compute capacity.
- ◆ Took advantage of AWS storage options with S3 for object storage including lifecycle policies, and EFS for storing code that would be shared by multiple instances.
- ◆ Leveraged Amazon Aurora and RDS Database solutions for high performance and availability.
- ◆ Reduced Latency through Route53's policy routing capabilities. Able to apply routing based on user location, instance workload and availability and traffic separation.
- ◆ Optimized performance through CloudFront's Edge location feature for static assets and ElastiCache to reduce my read requests on my database.
- ◆ Easy adoption of monitoring services like CloudWatch, GuardDuty and CloudTrail.
- ◆ Ability to build AWS Security Groups, and identify safe traffic
- ◆ Knowledge of security best practices
- ◆ Able to bring next level automation through Alexa to control resources by Voice rather than use the AWS console.

### **System Analyst and CMS Management July 2014 – December 2014**

**Aptitude Health:** *leading global provider of content, education, strategic advisory services and data analytics to companies in oncology, hematology and cancer supportive care.*

Shadowed the production team to gather and document the steps associated with production of various digital products for content administration within sitecore CMS and then translated to an internal CMS knowledgebase.