# PAUL KAMAU

**Certified Cloud Solutions Architect**

Atlanta, GA

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## INTRODUCTION

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

## CERTIFICATIONS

♦ AWS Certified Solutions Architect - Associate
♦ AWS Certified Developer Associate
♦ Certified Scrum Product Owner® (CSPO®)
♦ Google Cloud Certified Engineer – Associate (studying)
♦ Oracle Cloud Solutions Architect (studying)

## TECHNICAL SKILLS

### Amazon Web Services (AWS)
*Compute*: EC2, Auto Scaling, Elastic Beanstalk
*Storage:* S3, Cloud Storage, Elastic File Systems, Athena
*Database:* RDS, DynamoDB, Aurora
*Networking*: VPCs, Load Balancer, Route53, CloudFront
*Management Tools:* CloudWatch, Config, CloudTrail
*Security and Identity:* IAM, Cert Manager, GuardDuty
*Application Services:* SQS, SES, Elastic Transcoder

### Google Cloud Platform
*Compute*: Compute & App Engine
*Storage & Database:* Storage, SQL, Persistent Disk
*Networking*: VPC, Load Balancing, CDN
*Security & Identity:* IAM, Resource Manager, Audit logs
*Management Tools:* Monitoring, Cloud Console, Cost Management, Cloud APIs

### Oracle Cloud Infrastructure (OCI)
*Compute*: Virtual Machines, BareMetal Compute
*Networking:* VCNs, IPsec VPN, FastConnect, LBs
*Storage:* Object Storage, Block Volume, File Storage
*Security and Identity:* IAM

### Web Technologies
*Programming Languages:* PHP, jQuery, AJAX
*Scripting:* Hashicorp Terraform, AWS CloudFormation
*Frameworks:* Laravel PHP, Twitter Bootstrap
*Payment Processing Tools*: Stripe, Braintree
*Deployment Tools:* Laravel Envoyer, Bitbucket, Jenkins
*Development Tools:* XAMPP, Bitbucket, SourceTree, Atom, Bugsnag, JIRA
*Database Technologies:* Oracle, MySQL, PostgreSQL
*Security Tools:* SSL, SSH

## Specialties

♦ Multi Cloud Experience & Adoption Strategies
♦ Cloud automation with Terraform
♦ Web Application Development with Laravel
♦ Credit Card Rewards Processing Solutions
♦ 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*

♦ Managed multiple teams in across time zones in the provisioning and delivery of multiple cloud hosting environments within business timelines and SLAs.
♦ Lead technical overviews of Cloud Infrastructure deployment on Oracle Cloud with Client teams and owners.
♦ Streamlined infrastructure provisioning workflows into detailed roadmaps across our Cloud teams with JIRA.
♦ Facilitator in client onboarding and discovery sessions in gathering technical and business requirements.
♦ Introduced agile workflows, retros and backlog grooming sessions for our teams to prepare future roadmaps and ensure we met both our business and technical objectives.
♦ Lead adoption of Confluence and JIRA in agile workflows and documentation of key processes and operations within our team

#### Oracle Cloud Infrastructure

♦ Developed expertise in building VCNs from scratch with subnet, route tables, load balancers and address requirements that matched to architecture needs.
♦ Created terraform scripts to provision multiple resources related to Networking (VCNs, DRGs, Load Balancers, Security Groups) Compute resources (VMs) and Database Resources.
♦ Guided clients in setting up IPsec VPN and facilitated the successful setup and testing of the site-to-site VPN
♦ Participated in multiple FastConnect and MLPS VPN setup between Oracle support and client networking teams to solution around devices, co-locate options, etc.

### 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.
♦ Mentored and developed successful working relationships with junior analysts to advance their growth and expertise in their role.
♦ Disciplined documentation practices of new product features and capabilities for our internal teams and client partners.

- [RuggedProjects](#) – A project management subscription-based web application
- [RuggedTasks](#) – A task management application for light-weight ideation and task workflow.
- [RuggedSocial](#) – A subscription based social network
- [RuggedReformers](#) – A social network inspired by the 16th Century Reformation
- [RuggedCaffeine](#) – A social network for coffee lovers and addicts
- [RuggedLingo](#) - A social network for language lovers to chat, post, meetup and learn a new language
- [RuggedCloud](#) – A service for 1-click Cloud infrastructure provisioning, deployments and management, for AWS and Google Cloud Platform built on top of Terraform IaC technology.
- [RuggedSaaS](#) – A Product SaaS platform that designs, builds, and launches a client's next great idea using the same features, web design and application architecture that our own products are built on for rapid product development and launch
- [RuggedAI](#) – provides AI & ML as a service for partners who want to apply smarter solutions to their ideas and problems through multiple use cases.

## MEDIUM PUBLICATIONS

- A business and technical introduction to Terraform.io (Infrastructure as Code) ([read](#))
- 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](#))

## 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

## Founder May 2016 – Present

**Rugged I/O:** *Rugged I/O is a software development company that makes products that look great with uncompromised quality.*

- Rugged I/O is an entrepreneurial playground to freely try out different ideas and drag myself outside of my comfort zone. As a sole founder of the company, I do everything - from product ideation, coding, market research, design, implementation, marketing, to customer support and everything in between. Take look on the left of all the apps I've build and marketed.
- Working as an entrepreneur at Rugged I/O has allowed me not just to learn new skills and build new connections but also has helped me tremendously to improve my role at day job. My experience at Rugged I/O has allowed me to understand more of the company's overall operations, founders' perspectives, and my coworkers' roles and responsibilities. No books, lectures, or articles could have made me a better professional than just getting my hands dirty at Rugged I/O.

## Hands-On Cloud Experience May 2015 – Present

### *Amazon Web Services*

- Developed expertise in building VPCs from scratch with subnet, route and address requirements that matched to architecture needs.
- 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.
- 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
- Able to bring next level automation through Alexa to control resources by Voice rather than use the AWS console.

### *Google Cloud Platform*

- Leverage GCP to deploy and manage all my SaaS applications
- Deployed over 10 applications leveraging different aspects of GCP projects, Networking, VMs, Load balancer setup, SQL Databases and more.
- Created resource and billing monitoring across multiple applications including Committed Use Discounts.
- Maintained enterprise solutions to ensure that they meet target performance metrics.
- Created terraform scripts to provision Virtual Networks, Subnets, Load Balancers, Virtual Machines, Cloud SQL, monitoring and billing alerts management.
- Intermediate use of the Google Cloud Console and the command-line interface to perform common platform-based tasks to maintain one or more deployed solutions that leverage Google-managed or self-managed services on Google Cloud.

### *Oracle Cloud Infrastructure*

- Created terraform scripts to provision multiple resources related to Networking (VCNs, DRGs, Load Balancers, Security Groups) Compute resources (VMs) and Database Resources.
- Guided clients in setting up IPsec VPN and facilitated the successful setup and testing of the site-to-site VPN
- Participated in multiple FastConnect and MLPS VPN setup between Oracle support and client networking teams to solution around devices, co-locate options, etc.