

# KEITH RANDAL SEGOVIA

## DEVOPS ENGINEER

### Professional Summary

Keith is a DevOps engineer with 6+ years of experience in the IT industry. Specializes in cloud infrastructure provisioning, scripting, and process automation. Proficient in AWS, Terraform, shell scripting, and CI/CD tools such as Jenkins and Spinnaker. Experienced in application support, and proactive maintenance of integrated systems.

### Current Work Experience

#### Samsung Research & Development Institute Philippines

9F Science Hub Tower 3 McKinley Cyberpark Taguig City, Metro Manila, Philippines

#### DevOps Engineer

September 2019 - September 2022

- Builds and provisions the service infrastructure in the AWS Cloud Platform including, but not limited to, EC2 Instances, IAM Roles and user federation (via Keycloak), EFS/S3 Storage, Security Groups, Autoscaling Groups, Load Balancers, Route53 records, EKS Clusters, Cloudfront distributions, Lambda Functions, WAF Web ACL's, Shield Advanced protection, CloudWatch monitoring and alarms, etc.
- Creates, maintains, and decommissions service IaaS Infrastructure-as-a-Code via Terraform with the AWS Provider
- Develops and modifies Continuous Integration and Deployment pipelines for Spinnaker and Jenkins
- Modifies configuration YMLs for Helm and Ansible based on application requirements
- Handles micro-services migration from EC2 to Kubernetes (AWS EKS)
- Automates repetitive jobs via Python (boto3 AWS SDK) and Bash Scripts such as automated Security Group modification via Slack commands integration, and routine protection against known attacker IP's (AWS WAF)
- Analyzes traffic flow logs with AWS Athena, and generates reports for security and cost-reduction practices
- Handles security audits to harden AWS cloud infrastructure to meet with the company's security compliance rules
- Creates and maintains Datadog Alarms via Terraform Datadog Provider
- Submits the project's monthly billing reports to the finance team via the AWS Cost Explorer
- Participates in researching new software technologies and submitting Proof-Of-Concepts to the upper management to be implemented in potential projects in the future

### Contact



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Taguig City,  
1632 Metro Manila  
Philippines

### Education

#### Bachelor of Science in Computer Engineering

University of Negros Occidental Recoletos  
2010 - 2015

#### High School

University of Negros Occidental Recoletos  
2006 - 2010

### Language Proficiency

#### English

Full Professional Proficiency

#### Tagalog

Bilingual Proficiency

#### Hiligaynon

Native Proficiency

## Expertise

- Amazon Web Services (AWS)
- Unix/Linux System Administration
- Terraform
- Bash Shell Scripts
- Git SCM
- SQL
- Jenkins
- Spinnaker
- CircleCI
- Datadog
- Zabbix
- Keycloak
- Packer.io
- Ansible
- Helm
- Kubernetes
- k9s
- Docker
- Python
- C++
- Javascript
- HTML
- CSS
- Atlassian Confluence
- Jira
- GitLab
- Github
- MySQL
- PrestoDB
- Oracle Database
- PostgreSQL
- Slack Webhooks
- Wireshark

## Recent Notable Projects

### Smart Energy NA and EU Expansion

Samsung R&D Institute Philippines  
Q1 2022

### SmartThings IoT EC2 to k8s Migration

Samsung R&D Institute Philippines  
Q2 - Q4 2021

### AWS WAF WEB-ACL Automation

Samsung R&D Institute Philippines  
Q1 2021

### AWS Shield-Advanced Installation

Samsung R&D Institute Philippines  
Q4 2020

## Previous Work Experience

### Amdocs Philippines Incorporated

25F Ecotower, 9th St. cor. 32nd St. BGC Taguig City, Metro Manila, Philippines

#### Software Developer - Experienced

January 2018 - September 2019

#### Software Developer - Graduate

January 2017 - January 2018

#### Software Support Engineer

April 2016 - December 2016

- Develops automation scripts for repetitive routine tasks such as full-environment reset, cleanup, libraries verification, etc.
- Develops high-priority "Fast-Track" projects requested by the clients along with teams from different services
- Attends regular meetings with clients, team leads, business analysts, and developers for planning, impact assessment, and documentation of ongoing and future projects
- Attends meetings with clients and core product teams regarding UAT/NFT testing of new functionalities/fixes to be deployed in production
- Executes functional and non-functional (performance) software testing for new functionalities and hotfixes to be deployed in production
- Creates test result documents that are comprehensive and easy to be read by non-technical business personnel

## Certifications



### Amazon Web Services Solutions Architect - Professional

Issued October 14, 2021 - Expires October 14, 2024  
Validation No. R2WV01EBGNE11VSW



### Amazon Web Services Solutions Architect Associate

Issued February 24, 2020 - Expires October 14, 2024  
Validation No. 0WHG38VKN2BQ1NGB



### IELTS General Training - Overall Band Score 8.5

Issued March 16, 2022  
Test Report Form No. 21PH015458SEK001G



### WES Verified International Academic Qualifications

Issued April 5, 2022  
Reference No. 5450151IMM

## Character Reference

### Aladin Unay

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Samsung R&D Institute Philippines  
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### John Ian Medilo

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