

Pramila Kamat

AWS Consultant

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Objective

Enthusiastic and dedicated professional with 14 years of IT experience including 3 year's experience in AWS Migrations, Implementing and Managing Cloud Solutions and Cybersecurity. Seeking opportunities to leverage my expertise in AWS cloud technologies to drive Profitability and Business growth for Organizations.

Profile Summary

- Extensive experience working on large Enterprise applications with top multinational clients like **CitiBank, Verizon, Goldman Sachs, Brown Brothers Harriman, Credit Suisse**
- Successfully demonstrated **AWS migration of applications, Implementing AWS cloud solutions delivering Highly Available, Fault Tolerant, Scalable and Secured architecture**
- Experience includes working in the **Banking, Finance, Telecom domain** with exposure to **Portfolio Management, Fund Accounting, Capital Markets, Banking Securities, Telecom Provisioning**
- Skilled in scripting and automation using tools like **Python, Shell script, and AWS CloudFormation**
- Adept in utilizing AWS tools and services such as **RDS, Aurora, DynamoDB, and DMS for Database Migration, Modernization and Optimization.**
- Adept at all phases of software development lifecycle from **Analysis, Design, Development and Testing of software systems**
- Demonstrated experience **with Storage, Compute, Networking, Security, Databases**
- Demonstrated ability to **successfully implement Automated CI-CD pipeline using DevOps Toolset**
- Good experience maintaining and supporting **Cybersecurity products like CyberArk, MS PKI, Safeword, HSM.**
- Proven ability to work collaboratively with cross-functional teams to achieve project goals.

Certifications

- **AWS Certified Security Specialty - March 2023**
- **AWS Certified Solutions Architect Professional - March 2022**
- **AWS Certified SysOps Administrator Associate - October 2021**
- **AWS Certified Developer Associate - September 2021**
- **AWS Certified Solutions Architect Associate - August 2021**
- **AWS Certified Cloud Practitioner - June 2021**

Technical Skills

- **AWS:** IAM, EC2, Lambda, EBS, ELB, ASG, Route53, API Gateway, VPC, S3, SAM, RDS, Aurora, DynamoDB, DMS, ECS, KMS, CloudFront, CloudFormation, CloudWatch, CloudTrail, ElasticCache, CodePipeline, ACM, Cognito
- **Container Technologies:** Docker
- **Languages:** Python, Shell scripting, C, C++, PL-SQL, HTML
- **RDBMS:** Oracle, MS SQL server, PostgreSQL
- **Operating system:** Linux, Windows, Sun Solaris,
- **Tools Used:** GitHub, Jenkins, Sonar, JIRA, Ansible, JSON, YAML
- **Cybersecurity:** IAM, PKI, CyberArk, HSM, Safeword, MFA, SSO

- **Networking:** OSI Model, TCP/IP, DNS, DNSSEC, DHCP, Routing, Firewall, BGP

Professional Experience

Personal Projects

Hosting Personal Portfolio website on AWS using Custom Domain

May 2023 - Aug 2023

Project involves "**Hosting A Secure Static Website (Portfolio) with Custom Domain on AWS using Infrastructure as Code and CI/CD Pipeline**".

- Hosting Personal portfolio as **Static Website (using S3 bucket)**.
- Website uses **HTTPS (using ACM and CloudFront) for Security** and uses **Custom Domain (using Route53)**.
- For Infrastructure as Code (IaC), provisioned application stack **using CloudFormation template and deployed using AWS CLI**.
- For CI/CD implementation of application stack, used **AWS CodePipeline**.
- Also, the Website displays Website Visitor count. For this, **count is stored in DynamoDB Table and request made from Javascript code to DynamoDB via by API Gateway and Lambda (using Serverless stack)**.
- For IaC, provisioned Serverless stack using **Serverless Application Model (SAM) template and deployed using SAM CLI**.
- For CI/CD implementation of Serverless stack, **used SAM Pipeline through a) GitHub Actions OR b) AWS CodePipeline**.

Website Link: - <https://myresume.stareventhorizon.com/>

Blogpost Links: - <https://tinyurl.com/32kbkp8m>
<https://tinyurl.com/47ju2pjx>

Build AWS Serverless App for Task(eg.Exercise) Reminder Mar 2023

Jan 2023 –

- Hosting a "**Task Reminder**" **Static website on S3**.
- Upload HTML and JavaScript files in S3 bucket.
- Once triggered through the website, **JavaScript gets executed and invokes API Gateway API**.
- **API Gateway** is backed up by **Lambda function** which sends **email using SES**.
- Using **Step functions**, **State machine** is implemented to send email after a specified time. On invocation, the State machine sends the email to the recipients reminding them of the Task completion.

Build "Personalized Health" Website using AWS Serverless

Sep 2022 – Nov 2022

- Individuals will upload Personal health reports in S3 bucket.
- Hosting a **Static Website using another S3 bucket**. Upload HTML and Javascript files in S3 bucket.
- Through the website, a medical expert on button click triggers **Javascript which on execution invokes API Gateway API**.
- **API Gateway** is backed up by **Lambda function** which invokes **AWS Textract** for extracting relevant data from the individual's health report. **Output is in JSON format**.
- **JSON data sent back to API Gateway** which parses the response and uses it to create an HTTP response and sends it back to the browser.
- The browser presents the response data in rich graphical format.

Professional Projects

CitiBank, Singapore

Aug 2018 – May 2021

Project: HASI (HOST & Application Security Infrastructure)

Domain: Banking

- Demonstrated Implementation and Maintenance of **AWS cloud solutions for 2 applications delivering Highly Available, Fault Tolerant, Scalable and Secured architecture.**
- **Collaborated with cross-functional teams to gather requirements, define cloud infrastructure needs,** and create AWS solutions that met business objectives.
- Implemented **AWS security best practices including IAM policies, Encryption, Security groups, Network ACLs** to enhance the overall security posture of cloud infrastructure.
- Created and maintained **Infrastructure as Code (IaC) using tools like AWS CloudFormation,** automating the deployment of infrastructure resources.
- Implemented **Monitoring solutions using CloudWatch Logs, AWS EventBridge, CloudWatch Alarms** for notifying and troubleshooting issues.
- Demonstrated **implementation of Disaster Recovery infrastructure,** ensuring minimal downtime in case of failures.
- Implemented **IAM, MFA, SSO Strategies and Solutions** as per the application requirement **using AWS Identity Center and AWS Organizations.**
- Implemented solutions for regular **Security Assessments and Vulnerability Scans** to determine and resolve findings to maintain a Secure AWS environment.
- Documented Architecture Diagrams, Standard operating procedures, and best practices to facilitate knowledge sharing among team members.
- Automated daily tasks and workflow **using Python scripting, reducing manual tasks by 30%.**
- Provided **on-call support for critical AWS environments,** resolving the incidents promptly.

Verizon, USA

Aug 2017 – Aug 2018

Project: IVAPP migration to AWS

Domain: Telecom

- Demonstrated Legacy **Application migration from On Prem to AWS** resulting in improved Application performance, Enhanced Security, Cost reduction **leading to 25% revenue increase**
- Developed event driven automation for app teams for deployments in multiple environments like Dev, QA, and Production
- Created automated pipelines using **AWS CodePipeline, CloudFormation, CodeBuild, CodeDeploy. Improved deployment speed by 60%**
- Migrated Application and Database stack using **AWS services ALB, EC2, S3, RDS, ASG, VPC, CodePipeline, CloudFormation**
- Demonstrated ability to successfully implement **Migration, Modernization and Optimization from On Prem MySQL DB to RDS MySQL using AWS DMS, SCT**
- Collaborated with application teams to identify and mitigate migration-related risks and dependencies.
- Implemented AWS best practices for **Application and Database Security, Availability, Scalability, Performance, Disaster Recovery**
- Implemented **AWS security best practices including IAM policies, VPC configurations, and encryption mechanisms.**

- Documented all migration activities to effectively train new and existing team members
- Collaborated with project managers, developers, quality assurance to ensure seamless migration to AWS

Swift, USA

May 2017 - July 2017

Project: Messaging Infrastructure services

Domain: Banking

- Automated build and deployment process using GIT, Jenkins eliminating the manual tasks
- Project Documentation of the Automation tasks

Verizon, USA

Sep 2015 – May 2017

Project: Line Record Modernization

Domain: Telecom

- Demonstrated refactoring of the Application module code to reduce the request processing time
- Developed micro-service for the Application module thereby enabling **100% independent module build and deployment**
- Created fully Automated CI-CD Pipelines from code build to deployment **using GitHub, Jenkins. Improved build and deployment speed by over 50%**
- Incorporated automated application Test coverage report **using Sonar**, using these reports **Code coverage improved by over 80%**
- Owned and demonstrated configuration and release management governance
- Trained and mentored 5 junior team members with Programming, SDLC methodologies

Credit Suisse, India

Mar 2014 – July 2014

Project: Test Driven Development (TDD)

Domain: Capital Market

- Teamed with Project Lead to understand client needs for improved Service functionality, developing enhancements that boosted client satisfaction improved performance
- Drafted detailed documentation
- Work autonomously and respond efficiently to multiple priorities

Brown Brothers Harriman, India

Oct 2009 – Mar 2014

Project: Business Application Development

Domain: Portfolio Management and Fund Accounting

- Demonstrated Project planning, estimation and implementing Solaris to Linux migration and Makefile to Jamfile projects.
- Reduced defects by 20% by debugging defects using GDB, Valgrind
- Developed data handling code in C++ for resolving issues occurring during BLOB to DB Table conversion.
- Performed extensive analysis Server architecture, Application build system, Third party tools, System dependencies, etc.

Goldman Sachs, Japan

May 2008 – Jan 2009

Project: Graphite

Domain: Capital Market

- Involved in Requirement gathering, Design, Analysis and Development of various modules
- Involved in client interactions to implement enhancements to improve application performance over 20%
- Performed code review and test cases review and thus reducing code break and improving code coverage

Checks System
Role: C/C++ Developer

Oct 2007 – Apr 2008

- System Analysis
- Troubleshooting and Bug fixing.
- Application support

Citibank, Japan
Project: CitiSAFE (Citicorp Security Architecture for the Enterprise)
Domain: Banking Securities

Jan 2005 – Sep 2007

- Study and analysis of requirement specification
- Entire Implementation of the projects handled including – Requirement Analysis, Programming, Testing
- Involved in design and development of various modules
- Exposed to all phases of Software Development Life Cycle (SDLC)
- Compilation of programs using MAKEFILES
- Using the gdb debugger for debugging the application

Education

B.E in Electronics Engineering (University of Mumbai)

June 2003