**Pramila Kamat**

AWS Consultant

Email: [pramilakamat@gmail.com](mailto:pramilakamat@gmail.com) LinkedIn: <https://www.linkedin.com/in/pramilakamat>

Phone: +91-8767601227 Website: [https://myresume.stareventhorizon.com](https://myresume.stareventhorizon.com/)

Address: Mumbai, India

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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** **Jan 2023 – Mar 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**  **Oct 2007 – Apr 2008**

**Role: C/C++ Developer**

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

**Citibank, Japan**  **Jan 2005 – Sep 2007**

**Project: CitiSAFE (Citicorp Security Architecture for the Enterprise)**

**Domain: Banking Securities**

* 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**