**Manny Serrano**

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A cloud-lover and an AWS evangelist, I enjoy all things automation and serverless and developing unique, patternable solutions to tough problems in the cloud. I graduated from the University of Central Florida with a BS in IT and consistently work to learn new technologies and integrate them into my work. I’m seeking employment at a strong, high-performing, fast-moving organization migrating to or operating on AWS.

**Employment History**

**Harmonics Consulting**

AWS Solutions Architect, April 2022 – Present

* Develop custom hardened CDK constructs for BCBSA cloud developers
* Build and maintain various Lambda functions for infrastructure management (AVM, VVM, CDK Bootstrapper, etc.)
* Develop testing resources in CDK to verify cloud security and governance policies
* Maintain enterprise-wide account strategy via Control Tower, CfCT, account inflation, etc.

**Random Bit**

AWS Lead Solutions Architect, March 2021 – April 2022

* Design and build cloud-native serverless applications for the administration of Medicaid for a state government
* Act as bridge between business objectives and technical teams, often working closely with enterprise architects to quickly achieve technical goals
* Drive and direct development teams towards value-adding development activities
* Design and deploy solution to act as EDI file transfer hub for a large data storage layer
* Directly supervise and support development operations from concept to production by multiple teams according to my architectural designs
* Assessing and calculating technical debt and risks associated with design and development
* Quickly build PoCs to demo to leadership and pass to development teams
* Operate as Cognito SME to build and integrate Cognito end-to-end with federation to IdPs (SAML and OIDC)
* Implement high-volume ETL processes
* Refactoring high-volume ETL processes to event-driven RESTful interfaces

Key Services: Fargate, Glue, S3, Lambda, SQS, EventBridge, DynamoDB, MSK, API Gateway, Cognito

**Deloitte Consulting**

DC AWS Solutions Specialist, August 2020 – March 2021

* Develop and deploy secure cloud-native serverless architectures for government clients with services like CDK, Serverless, Lambda, API Gateway, etc.
* Automate the deployment and maintenance of AWS resources
* Plan and deploy fault-tolerant CI/CD pipelines with 2-minute delta from push to production with 0 downtime
* Write and utilize unit tests for AWS infrastructure and the applications on top
* Plan and integrate various AWS resources to solve problems in a repeatable fashion

Key services: CodePipeline, Serverless (the IaC tool, not the architecture paradigm), Lambda, API Gateway, SNS, SQS

**Dataline Systems**

Systems Administrator, April 2019 – August 2020

* Develop new, greenfield solutions in the cloud to support new client projects
* Research and test infrastructure improvements to existing processes to be run on AWS services (ECS, Lambda, Step Functions, Rekognition, SES, SQS, CF etc.)
* Configure and police controls for PCI-DSS compliance locally and in the cloud
* Education sessions for development department on developing for a cloud-native infrastructure
* Research and develop improvements to existing controls and infrastructure
* Write scripts to automate various services we provide to our clients
* Convert Python 2.7 scripts to Python 3.x and rework to enable execution as Lambda functions
* Write webapps in Django to support configuration of complex internal systems by internal operators

Key services: Batch, Lambda, VPC, EC2, SES, Step Functions

**Riptide Software**

Junior Systems Administrator, April 2016 – April 2019

* Support managed service customers in day-to-day IT operations
* Assist with patching, backups, and upgrades on prod and dev servers
* Create new, scripted solutions in the cloud to customer problems
* Write and maintain VPO system in JS for managed service customers
* Administration of cloud resources including S3 buckets and Route53 records

**Certifications (Reverse Order of Achievement)**

**AWS Certified Developer Associate**

Active – Validation: 58MSYXWJEE4EQXWE

**AWS Certified Security Specialty**

Active – Validation: 9BRMLMCL2BEQ1MCL

**AWS Certified Sysops Administrator Associate**

Active – Validation: S0KSB8TBKE4E1GW5

**AWS Certified Solutions Architect Associate**

Active – Validation: SFVXQ2L2F2BQ1NKP

**AWS Certified Cloud Practitioner**

Active – Validation: B2LH545C1JF11GCZ

**Key Skills**

* Greenfield architecture development
* Re-solutioning on-prem applications for cloud-native implementation
* Serverless infrastructure development and CI/CD pipelines on AWS (CDK, Serverless, etc.) and automated infrastructure deployment on AWS
* Development and DevOps enabler
* Cloud solutions architecture with a focus on high availability and security in accordance with best practices and patterns
* High level of contextual reasoning with the ability to interpret and understand complex entity relationships, especially on AWS
* 10+ years Python scripting for various use cases
* Desire and ability to find ways to work very quickly and efficiently on any task

**Education**

**University of Central Florida**

Bachelor of Science in Information Technology