Abraham Andres Mesa

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Overview

- Familiar with SDLC best practices: unit testing, code reviews, subversioning, and CI/CD.
- Well experienced in cloud microservices and systems architecture.
- Strong understanding of debugging procedures and tools.
- Experienced in OOP/OOD: successfully developing applications in PHP, JAVA and C++.

Leet Systems Inc.   **Miami, FL**

AWS Systems Developer   Apr. '21 - Present

- Administered Amazon customer domain by configuring Route 53 Hosted Zone.
- Developed High Availability application through CloudFormation, Content Delivery Network and S3 Bucket integration.
- Setup custom IAM roles and policies for S3, WorkMail, EC2, and Route 53 customers employing security practices.
- Developed user to end user application infrastructure.

DSA Inc.   **Aberdeen, MD**

Software Developer   Jun. '19 - Apr. '21

- Identified issues affecting application and session time-outs by creating PHP HTTP requests.
- Tailored PHP SOAP engine to inject custom WSDL header information in order to meet DoD strict security guidelines.
- Configured 46 RHEL 7 hosts for Puppet integration, Splunk forwarding, ElasticSearch log ingestion through multiplexing and automation with homebrewed bash scripting.
- Scaled out milCloud and VMWare Cloud Java stack alleviating 10K threshold authentication request.
- Troubleshoot PHP application threshold with the use of Apache configurations.
- DevOps which Jenkins and GitLab content delivery and pipelining.
- Integrated Puppet throughout a 3-tier development environment with dynamic control variables.
- Tweaked Elasticsearch term querying system and function score query to increase search matches.
- Created regular expressions for Splunk data search for identifying malform user sessions and assisted the tiger team on hot issues involving HTTP errors.
- Assisted with log ingestion system and real-time data analyzers by integrating with Splunk.
- Created utilities that exported Off-the-shelf activities for internal activity metrics and converted them to Comma Separated Values..
- Tailored user-defined ElasticSearch queries for addressing data consistency across cloud products.

Amadeus IT Group Global Operations   **Doral, FL**

System Engineer   Jul. '15 - Jun. '21

- Ensure service agreements for Airlines and E-ticketing companies and Amadeus' processing eng
- Maintained a 5-minute ticket response which included departmental escalation or direct intervening.
- Utilized Lotus Notes for system documentation and ensured service level agreements.
- Monitored, and tracked incident records and problem resolution with impact on Airline IT operations.
- Used Symantec's Veritas Cluster Services software to switch database states for operations.
- Supported software suite by debugging and performing real-life code trace with developer and customer.
- Used Bash and Perl scripting to maintain High Available Processing Engine, which involved multiple backend systems.

Florida International University   **Tamiami, FL**
System Engineer   Jul. '13 - Sept. '14

- Manage, updated, secured academic Content System through packages updates and compiling sources.
- Wrote scripts in PHP, Python, and Perl to manage and update course rosters, content, and faculty changes.
- Developed an SNMP management tool and converted all network adapters to 10 Gigabit throughput.
- Confined Course Evaluation process for faculty and maintained CGI sites while maintaining Postgres DB.
- Assisted webmaster with site reconstruction and grasp an intimate knowledge of full-stack development.
- Created SNMP program used to find interface speeds for network upgrades and bottlenecked throughput.

WorldNet Media   **Miami, FL**

IT Support / LAMP Development / Quality Assurance   Aug '11 - Nov '13

- Configured and managed Ubuntu, CentOS, and Gentoo Linux environments and LAMPs.
- Managed XenServer for in-house virtual hosts used for development and testing.
- Developed PHP & Python scripts for smooth QA site transitions.
- Developed bash script utilizing for maintaining high content delivery with commands sed, awk, and grep.
- Configured Memcache for reduction of database queries.
- Managed IT Support ticketing system and maintained a low request volume.

Miami-Dade College   **Miami, FL**

Programming Tutor / Lab Instructor   Sept '09 – Sept '11

- Instructed students on Linux configuration and installations.
- Developed and maintained MS Excel grade book which increased grading efficiency.
- Administered 50+ Lab Computers and handled daily office duties.

Relentless Computer Solutions   **Miami, FL**

Lead Technician   Sept '07 – Aug '09

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- Administered small and midsize computer systems as a Network Administrator.
- Documented all incidents with ticketing system software.
- Delegated system duties to office engineers.

Certifications:
Linux Foundation System Administration
CompTIA Security+