Taruni Penumatsa   **Systems Development Engineer**

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Experienced Systems Development Engineer skilled in building and maintaining scalable, reliable systems to ensure optimal performance.

Work Experience

Systems Development Engineer | Elisity | Austin | Sep 2022 - Present
- Achieved a 90% reduction in deployment time by crafting and executing Infrastructure as Code (IaC) solutions using Terraform, CloudFormation, and Ansible for microservices and serverless functions.
- Utilized Python boto3 tools to troubleshoot, uphold, and verify AWS cloud services and on Prem.
- Utilized AWS, Salesforce and its services to establish Key Performance Indicators, leveraging Grafana and Splunk for early issue identification.

Systems Development Engineer | Keysight Technologies | Austin | Sep 2018 - Sep 2022
- Introduced Configuration Management and Container Orchestration techniques to automate service deployment within the AWS environment.
- Collaborated closely with development teams to uphold system reliability, security, and efficiency.
- Implemented CI/CD pipelines using Jenkins to automate deployment processes, improving operational efficiency, and reducing downtime.
- Used comprehensive Technical Background to effectively resolve site reliability issues, significantly reducing downtime.
- Implemented Best Practices in site reliability engineering, ensuring high uptime and system stability.

Automation QA Engineer | HPE | Austin | Jun 2015 - Aug 2018
- Contributed to HPE OneView product testing by developing Python-based automated test cases and executing them. Conducted comprehensive testing of OneView server, computer, network, and storage components. Additionally, performed scale and performance testing on OneView servers to ensure optimal functionality and efficiency.

QA Engineer II | Cavium Networks | Hyderabad | Nov 2012 - Feb 2015
- Automated Linux testing for Octeon and Thunder Processors, encompassing benchmarking and performance evaluations of I/O modules, SE applications, and kernel functionality across multicore and single-core setups. Managed automation runs via Jenkins, documented results in Bugzilla, and verified the functionality of Ethernet drivers.

Core Skills

AWS, Postgres SQL, Dynamo DB, Couchbase Db, Mongo DB, GitHub, EC2, S3, AWS Services, SRE, CI, CD, Jenkins, Python, Splunk, Compute (Dell, HPE, VMware), Network (Cisco, Palo Alto, Brocade), Storage (3PAR), Salesforce

Education

Anna University | Chennai | Bachelor of Electrical Engineering | 2003 – 2007

Certifications

AWS Certified Associate Architect
Salesforce Certified Administrator
Salesforce Certified AI Associate