Ancy Saji

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WORK EXPERIENCE

Application Development Analyst – SAP BASIS　　　　　　　　**March 2023 – July 2023**
Accenture　　　　　　　　　　　　　　　　　　　　　　　　　　　　*India*
- Communicated and implemented SAP ILM data archiving strategies reducing SAP HANA database footprint by 75%. Led DVM assessments across ECC and S/4HANA, archiving data categories in FI, SD, and HR modules.
- Interviewed over 50 automated archiving job variants using SARA, SJOBREPO, and SM36 during low-traffic windows and ensuring zero data. Diagnosed 25+ real-time performance issues with EWA reports, ST03N.

Application Development Associate – SAP BASIS　　　　　**December 2020 – February 2023**
Accenture　　　　　　　　　　　　　　　　　　　　　　　　　　　　*India*
- Monitored performance of 20+ SAP ABAP and Java stack environments using SM50, SM66, RZ20, and CCMS, ensuring 99.9% uptime. Executed SQL and RFC trace captures with ST05 and lock entry analysis with SM12.
- Routed and validated transport requests via STMS and SE09, mapping transports to correct TMS paths across development, QA, and production tiers. Collected and validated archiving object data using DB15, TAANA.

Big Data Intern　　　　　　　　　　　　　　　　　　　　　　**June 2018 – July 2018**
SLN Technologies　　　　　　　　　　　　　　　　　　　　　　　*India*
- Configured Hadoop HDFS nodes using Unix shell scripting, including Namenode setup and DataNode replication. Parsed 100+ GB of unstructured data using HiveQL, Pig Latin, and MapReduce, ETL efficiency by 35%.
- Modeled XML-driven workflows with departmental schema validation via XPath for HDFS ingestion patterns. Automated HRIS data population with Excel VBA macros, ODBC, and parameterized SQL queries by 50%.

TECHNICAL SKILLS

- **Cloud Platforms & Security:** AWS (EC2, S3, IAM, VPC, CloudTrail, CloudWatch, KMS), Azure, GCP; IAM policies, cloud security models, NIST, OWASP, MITRE ATT&CK
- **DevOps & Infrastructure as Code:** Terraform, Docker, Kubernetes, Jenkins, GitHub Actions, GitLab CI/CD, DevSecOps practices, Git workflows (branching, PRs)
- **SAP Technologies:** SAP BASIS, NetWeaver, HANA, DVM Archiving
- **Scripting & Automation:** Python, Bash, Shell scripting, automation for cloud deployments and system administration
- **Monitoring, SIEM & Security Tools:** Splunk, Elastic SIEM, Zabbix; Hashcat, hcxdumptool, Kali Linux, Nmap, Nessus, Autopsy, Maltego, WinHex; threat detection, log correlation
- **Networking & Operating Systems:** TCP/IP, DNS, HTTP/HTTPS, Wireshark, Cisco Packet Tracer, Windows Server, Ubuntu, Kali Linux, secure system configuration
- **Directory Services & Identity:** Active Directory, GPOs, Sites/Subnets, Replication, AD Certificate Services (ADCS), identity and access management
- **Programming & Web Development:** Python, Java, C, C++, HTML, CSS, JavaScript; Git, GitHub, GitLab for version control
- **Databases:** PostgreSQL, MySQL (admin, tuning, scripting)
- **Tools & Productivity:** PuTTY, WinSCP, Office 365, secure file transfers, technical documentation and reporting

PROJECT EXPERIENCE

Cloud Computing Student
Cloud-based Disease Prediction System using Amazon SageMaker

- Architected a scalable disease prediction system using AWS SageMaker, and API Gateway, gaining 99.9% uptime.
- Engineered a Forest model for real-time symptom analysis with 87% accuracy, enabling health management.

Cloud Computing Student
Microservice-based Application Deployment through AWS Cloud

- Managed deployment of a microservices web app on AWS ECS with containerized backend, S3 and RDS.
- Negotiated advanced networking (VPC, NAT, ALB), security (IAM, ACM, security groups), and CI/CD pipelines.

Cybersecurity Student
WPA2 Attack Simulation

- Executed WPA2 handshake capture and attack simulations using hcx dump tool and Hashcat, and brute-force.
- Quantified attack success rate by cracking over 80% of tested WPA2 passwords within 12 hours passphrases.

Cybersecurity Student
EternalBlue Exploit Detection and SIEM Integration

- Developed detection system for EternalBlue exploit attempts using Splunk SIEM, to analyze 7 RDP attack logs.
- Automated incident workflows by Splunk alerting rules, reducing mean time to detection (MTTD) by 70%.

EDUCATION

Postgraduate Certificate in Cybersecurity   **September 2024 – April 2025**
Durham College, Canada
Postgraduate Certificate in Cloud Computing   **September 2023 – April 2024**
Durham College, Canada
Bachelor of Technology in Information Technology   **July 2016 – October 2020**
Anna University, India

CERTIFICATIONS

AWS Certified Cloud Practitioner Certificate - July 2024
AWS Educate (Compute, Databases, Networking, Security, CloudOps, Storage) - July 2024
AWS Certified Solutions Architect Associate Certificate - in progress
CompTIA CySA+ certificate - in progress