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Joseph Mauvais

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| Objective |  | Highly skilled and certified AWS DevOps and DevSecOps Engineer with years of experience in cloud security, migration, and implementation of scalable and fault-tolerant cloud-native solutions. Cloud Security Architect with experience in cloud administration, user management, operating system, application hardening, and disaster recovery. Strong skills in providing operations and maintenance support for AWS cloud resources, which includes launching, maintaining, and troubleshooting serverless infrastructure, S3 buckets, Virtual Private Clouds (VPC), containerization (EKS), Infrastructure as Code (IaC) deployment via GitHub, and CI/CD pipelines, as well as monitoring via CloudWatch, and CloudTrail. |  |
| work Experience |  | devops engineer, Meditology Services October 2022 – Present   * Developed and managed infrastructure buildouts for logical multi-account environments according to compliance with CIS Foundational Benchmarks. * Architected AWS global multi-region backup/ disaster recovery plans for resilience and reliability using Visio and Lucid Chart diagram softwares. * Used GitHub for source control within a CI/CD pipeline managed via CodePipeline * Built and maintained Terraform and Python IaC automation configuration scripts to support architecture decisions for all deployed services. * Collaborated with Security teams to create custom WAF rules to deter unauthorized access and created monitoring and alerting solutions to detect configuration drift. * Collaborated with developers to manage repositories within GitHub for CI/CD pipeline testing and orchestration. * Led DevOps teams in creating new software builds using Jenkins and AWS CodeBuild. * Collaborated with Security teams to remediate application security vulnerabilities from SAST/ DAST scan results. Remediated exposed secrets using Secrets Manager. * Architected serverless solutions for Rest API Gateways, data pipelines, and python-based Lambda functions within AWS. * Implemented DLP policies within AWS to discover inappropriate behavior. * Architected WAF solutions using AWS managed rulesets. * Communicated environment health to internal IT staff, including Application, Networking, and Security teams using automated notification tools like SNS. * Performed peer reviews of Python and Terraform automation scripts to support SDLC implementation. * Created VPC architecture limiting public access and implementing encryption at rest. * Created and administered new VPC’s, subnets, NAT Gateways, routing tables, and Security Groups using Terraform and encrypted network traffic.  jr devops engineer, bhi energy March 2021 – October 2022   * Developed code to contribute to and provision software architecture of highly concurrent, high-throughput systems via CloudFormation and Terraform. * Used GitHub, and AWS Code Deploy to ensure zero downtime during application deployments through rolling updates. * Collaborated with developers in deploying Python Flask applications to ensure base AMI that contains the necessary Python runtime, as well as OS patches. * Created billing alarms for transparent monitoring of relevant systems to maintain operational excellence and cost optimization. * Designed with and developed front-end development solutions using JavaScript, CSS, HTML & Browser Developer tools. * Ensured system reliability by integrating our existing stack with modern monitoring solutions via CloudWatch. * Migrated existing infrastructure using serverless offerings like AWS Lambda, API Gateway, Dynamo DB via Infrastructure as Code (IaC). * Leveraged AWS Backup to restore data into standby EFS clusters across VPC’s as part of multi-region disaster recovery strategy to limit RTO and RPO.  Cloud administrator, DUNHAM BUSH AMERICAS July 2018 – April 2020   * Designed, implemented, and maintained architectural solutions designed for successful deployment, security, and high availability in the AWS cloud. * Provisioned various security solutions including S3 bucket policies & encryptions, IAM Least Privilege Principle, Security, VPC NACL configuration, AWS Shield for DDoS protection and AWS WAF to filter specific requests and IP addresses. * Developed, implemented, and tested data backup and recovery procedures using S3 * Recreated company organizational structure in the cloud using AWS Organizations, Control Tower, sub-accounts, SSO/ Identity Center, and IAM roles & policies. * Configured VPN Gateway, Virtual Networks, Security Groups, Routing, Load Balancing, and Network ACL’s within AWS. |  |
| education |  | florida atlantic university boca raton, florida **Bachelor of Science, Mechanical Engineering**  **Minor, Computer Science**  Graduated: **December 2017** |  |