**JAIVIR S. BAWEJA**

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**OBJECTIVE**

Junior to Mid Satellite Systems Engineer with three years and ten months of experience, including as a SME, seeking a role as an AI Engineer, Cloud Engineer, DevOps Engineer, Mid-Senior Software Engineer, Enterprise Architect, Network Engineer, Systems Architect or Full Performance Systems Engineer, Engineering Project Manager or IT Specialist (and also open to cybersecurity roles)

**CERTIFICATIONS**

* CompTIA Security+ CE, HashiCorp Terraform Associate (003), AWS Certified Cloud Practitioner, AWS Certified Solutions Architect – Associate, Kubernetes Certified Network Administrator (KCNA), Certified Kubernetes Administrator (CKA) **(TBD/TBC)**
* Artificial Intelligence Fundamentals – IBM SkillsBuild, 100W – Operational Security (OPSEC) for Control Systems
* Active (Current) TS//SCI Full Scope Polygraph Clearance – *granted 02/21/2024 by DoD CAS. Enrolled in CE by the NRO with reinvestigation date of 03/26/2029*

**EDUCATION**

BS Computer Engineering | Virginia Polytechnic Institute and State University (December 2019)

* Bachelor of Science in Computer Engineering (Fall 2018)
  + Adversarial Machine Learning Research Project – Undergraduate Research
    - Developed linear regression plots for trained data and developed wrapper class in Python 3.7
  + Mood Music – Network Application Design
    - Developed backend for Mood Music using Flask in Python 3.7 to create the REST APIs
  + Introduction to UNIX – Bash and Linux

**PROFESSIONAL EXPERIENCE**

**Science and Technology Corporation**

SME III, *June 2024-Present*

* Draft NGE to NCCF requirements for LEO, GEO and SWO
* Support the SAE Technical Writing CCB/CCR process
* Develop Architecture POC or custom code using Docker or EC2 with S2S VPN, and perform System Programming for six months (Python and Django, JavaScript, TypeScript, AWS Lambda)(shortener-app using FastAPI, autobind-decorator, ProjectManager)
* Develop infrastructure for an Kubernetes ingress controller and liveness probe
* Continue to update Cost Model using MySQL and deploy new EC2 configuration using OpenTofu
* 2 POA&M’s completed

**Gridiron IT Solutions**

DevOps Engineer, *December 2023 – January 2024*

* Complete HashiCorp: Terraform Associate and AWS Certified Solutions Architect - Associate training course

**Science Applications International Corporation**

Systems Engineer for National Reconnaissance Office, *January 2023 – November 2023*

* Backup for AWS Cloud Costing Support (update cost model using jQuery and VBA)
* Worked with AWS technical team to develop a new highly available architecture for the NRO Warfighter tools
* Solve problems using Multi-INT detection and object-based tracking tools
* Serve as the IT POC
* Transition Tier 1+ Help Desk Support to All Spark

**Science & Technology Corporation**

Systems Engineer (OSGS Cloud Support), *January 2022-January 2023*

* Draft the NCCF Configuration Control Board (CCB) Charter
* Designed a new Data Ingestion Pipeline
* Update the NESDIS DevOps and Agile Lexicon
* Develop an approved Transition to Operations (T2O) plan for NDE migration
* Developed the NCCF/JPSS IDPS Outage SOP
* Draft the Guiding Principles for Migration to NCCF White Paper
* Develop spreadsheets for report file count and volume from S3 Bucket Metrics
* Draft the NCCF Availability Strategy

**Peraton (formerly Perspecta)**

Systems Engineer I, *April 2020-January 2022*

* Support onboarding external data providers to meet the Government’s onboarding priorities
* Work with technical team to perform updates to Standard Operating Procedures (SOPs), including security patching, configuration management, and Active Directory
* Work with technical team to direct the completion of Security Test and Evaluation (ST&E), Security Control Accessor (SCA), and address related POA&M’s resulting in 4 POA&M’s for the next assessment year
* Complete updates to the NOAA System Security Plan (SSP)
* Perform updates to NCCF Infrastructure as Code (IaC) and gain experience with AWS Continuous Integration tools (CodeCommit, CodeBuild, CodeDeploy, CodePipeline, and CloudFormation)
* Support moving Himawari-8 Product Generation into Operations – draft user stories, update documentation and coordinate security testing
* Prepare the NCCF Ingest and Egress Service ICD

**PepsiCo**

IT Information Security Intern, *May 2019-August 2019*

* Gain experience with Splunk SIEM platform (Palo Alto, Cisco ASA, Office 365, Zeek, Windows, Authentication and Symantec Bluecoat logs)
* Worked in a Security Operations Center (SOC)
* Gained experience with Jira and Confluence
* Coordinated incident triage tasks
* Completed two threat hunt missions and implemented two detections in Splunk SIEM
* Completed an IT business case surrounding DevSecOps or a product-centric model
* Gain familiarity with the MITRE ATT&CK Framework

**PERSONAL PROJECTS**

**Collectpro Software Inc.**

Oracle Cloud and Terraform, *March 2024*

* Updated Terraform scripts to accept Availability Domain and Fault Domain
* Implemented a new Standard Configuration for all environmental servers

**Cloud Resume API Challenge** – *May 2024*

* Build an API with cloud services integrated with GitHub Actions for CI/CD

**Develop an Movies ASP.NET CRUD API** – *October 2024 (collaboration with Matthew Lauer)*

**All Hands Active**

*Capture the Flag Tuesdays, June 2024-Present (sponsored by: DigitalOcean and Secractic)*

* Skills: Penetration Testing, Burp Suite, Volatility3, Ghidra, MITRE ATT&CK Framework, ExifTool (OSINT), Enumeration, Blue Team/Red Team, Virtualization, Linux, Databases, POC Exploit, WebSocket, Jenkins, Cyber Planning

**SKILLS AND EXPERIENCE**

* Process documentation, excellent communication, presentation and interpersonal skills
* Project coordination with ServiceNow, Jira, Bitbucket and Confluence
* Git for source control
* Docker and Kubernetes
* Two years working experience with NIST RMF 800-37 and 800-53 – AC-3 control for Bash and Linux
* Writing and developing Standard Operating Procedures (SOP) and Interface Control Document (ICD)
* Familiarity working with the AWS CLI
* Microsoft Office and Google Suite
* Splunk SIEM
* Linux, Python, Bash, Windows
* Infrastructure as Code (IaC) with a DevSecOps mindset
* MITRE ATT&CK Framework