

Sami Horani

PROFILE

Highly skilled engineer with expertise in writing code in multiple programming languages, including Python, Java, and scripting languages such as Bash Shell and PowerShell. Possesses a deep understanding of software development principles and best practices, with a proven track record of delivering high-quality solutions to complex problems. Experienced in designing, developing, and maintaining software applications across various domains, with a focus on scalability, performance, and security. Strong analytical and problem-solving abilities, coupled with excellent communication skills and a collaborative mindset. Passionate about continuous learning and staying updated with the latest technologies and trends in the industry.

EXPERIENCE

PRINCIPAL SOFTWARE ENGINEER, AT&T/DIRECTV; EL SEGUNDO, CA – 2004-PRESENT

Enhanced service delivery and optimized resource utilization by conceptualizing and designing the AiOps application, aimed at AI/ML detection and automating recovery. This innovative solution facilitated comprehensive monitoring of operational databases and application health resources through a customizable dashboard integrated with ServiceNow using tools such as Nagios, Dynatrace, AppDynamics, and Prometheus for metrics collection and ELK and Splunk for logging. It enabled streamlined oversight and monitoring of application deployment and configuration processes.

- Automated remediation to reduce potential performance impacts
- Applications onboarded on *AiOps* exceeded the original target of 30-50% Outage Minute Reduction. Average Outage Minutes avoided exceeded 80%
- 2021 vs 2022 Impact Assessment showed a 10% decrease in Outage Minutes, a saving of \$700,000 at Observability and Notifications Level and a 60% decrease in Outage Minutes at Automated Diagnostics & Recovery level, a saving of \$6,000,000

RESPONSIBILITIES

- Developing and maintaining infrastructure as code (IaC) scripts using Terraform to manage resources in cloud environments, specifically focusing on Azure
- Ensure software compliance and performed regular system checks. Manage Docker images ensuring they are up-to-date and optimized without any security vulnerabilities. Automate security vulnerabilities remediation using Azure DevOps Pipelines
- Image rollout strategies in Kubernetes using Azure Kubernetes Service (AKS), Azure Container Registry (ACR), Azure CLI, Kubectl, Azure Keyvaults, Runbooks and Azure Managed Identities
- Maintain system documentation and ensure that changes to the infrastructure are accurately reflected in the relevant documents.
- Handle package management for Linux systems, including the installation and troubleshooting of .deb and .rpm packages.
- Manage SSL/TLS configurations and ensure secure communication within the infrastructure.

EDUCATION

Cal Poly Pomona, CA – B.S in Computer Science, 1996

SKILLS

- Scripting languages (Bash, Powershell, Python)
- Experience with Python, Java, Node.js, and understanding of a variety of Python packages.
- Docker and containerization
- Troubleshooting build and deployment processes
- Strong experience with Terraform and other IaC tools.
- Excellent problem-solving skills and attention to detail.
- Familiarity with AI/ML model management and versioning
- Knowledge of ACR and JFrog Artifactory and its REST API.
- Create new Jupyter Notebooks and scaffold code for new workspaces
- Strong communication skills and the ability to explain complex concepts in a clear, concise manner