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Patil Omkar A.

EXPERIENCE

Dell Technologies, Pune — Senior Software Engineer

April 2024 - Present

- Implemented multi-LDAP server registration on the appliance, enhancing user authentication and system scalability.
- Focused on Identity and Access Management (IAM) functionality.

Dell Technologies, Pune — Software Engineer 2

October 2022 - March 2024

- Delivered appliance troubleshooting through CLI feature, a custom shell acting as facade between user and appliance os shell, written in python, which enables a customer to troubleshoot network configurations, disk state, etc.
- Led microservice-based logging and log rotation policy implementation.
- Contributed to the development of Multi-Factor Authentication (MFA) for the appliance.

Dell Technologies, Pune — Software Engineer

October 2020 - October 2022

- Led the implementation of hardware alert monitoring, providing real-time insights into appliance hardware issues.
- Developed appliance log collection functionality for efficient issue debugging.
- Wrote microservices using Java Spring Boot and containerized them with Docker.
- Built a comprehensive REST API framework using Python Flask for backend data validation and verification.
- Implemented a Python Plotly/Dash-based dashboard for

SKILLS

- Languages: Java, Python, C/C++
- Technologies: Virtualization, Containerization, Machine Learning, Deep Learning
- Databases: MySQL, MongoDB

FRAMEWORK/LIBRARIES

- Spring boot
- Flask
- Sklearn
- Cypress

CERTIFICATIONS

- Dell Technologies Proven Professional's Associate – Information Storage and Management (March 2023)

INTERESTS

- Virtualization
- Data storage
- Data Protection
- Machine Learning
- DevOps

visualizing automation run results.

- Created an event-based framework with Python and MongoDB for processing automation results displayed on a dashboard.
- Developed UI automation scripts using the Cypress framework.

LANGUAGES

- English
- Marathi
- Hindi

ACHIEVEMENTS

- ISG Hackathon 2021 finalist for IMP- Intelligent Mediator Platform idea, written in python using LLM.
- ISG Hackathon 2020 winner of Best in Theme - AI/ML
- Second Runner up at Dell EMC AICOE Global AI/ML Hackathon 2019, solution written in python and sklearn for classifying the customer feedback in categories.
- Optimized unit testing of spring boot application inside a container on an appliance by automating the process, enabling engineers to replace services python executing just one single command.
- Implemented a quick and easy method for security patching of ESXi through an automated script, written in python for engineers to use for resolving vulnerabilities in ESXi.

EDUCATION

Walchand College of Engineering, Sangli — *M.Tech in Information Technology*

August 2018 - July 2020

I2IT, Pune — *B.E in Information Technology*

June 2014 - December 2017