

UJWAL AKARE

Lead Software Engineer | Persistent System Ltd (01/22-Present)

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PROFESSIONAL SUMMERY

Lead Software Engineer with 3.8 years of experience in automation, CI/CD environments, and cloud-native platforms. Proficient in Python and Shell scripting, with strong hands-on experience in Jenkins pipelines, OpenShift, container orchestration, and cloud-based integrations. Skilled in working with IBM Cloud Pak for Data and automation frameworks such as Robot Framework to validate and streamline platform functionality. Fast learner with strong communication and collaboration skills, able to work effectively in team environment.

SKILLS

Skill Set	Description
Operating Systems	Linux, Windows
Cloud Platforms	Azure, AWS
Version Control Systems	Git, GitHub, Gitlab, Bitbucket
Scripting Languages	Python, Bash (Linux Shell), Groovy, YAML
Continuous Integration and Delivery	Jenkins, Travis CI
Containerization and Orchestration	Docker, Openshift, Kubernetes
Automation & Configuration Management	Terraform*, Ansible*
Tools and Platforms	VS code, Eclipse, Postman, CP4D, JIRA, Trello

*Courses yet to be completed

WORK EXPERIENCE

Client: IBM

Project 1: OpenShift on Power Servers

Tech Stack: OpenShift, Shell Scripting, Travis CI

- Ported multiple packages from x86 to ppc64le architecture, ensuring cross-platform compatibility.
- Automated deployment and validation workflows using Shell scripts & Travis CI, improving build efficiency.
- Resolved package dependency and architecture-specific compatibility issues, enabling seamless integration on Power systems.

Project 2: IBM Cloud Pak for Data (CP4D)

Tech Stack: Python, Shell Scripting, Robot Framework, Jenkins, OpenShift, Docker

- Performed **CP4D** validation on IBM Power architecture to ensure feature parity with x86 builds.
- Executed & monitored **Jenkins** pipelines for automated UI testing; analyzed failures & ensured build quality.
- Debugged Power-specific failures by analyzing UI logs, **REST API** responses, and OpenShift pod logs; performed **RCA** & defect reporting.
- Automated manual test cases using **Python, Shell scripts, Robot Framework** to improve coverage & reduce manual effort.
- Performed environment validation, maintained automation suites, and resolved **CI/CD** pipeline issues.
- Used **Kubernetes & OpenShift** for pod-level debugging, scaling pods, and service readiness verification.
- Executed build verification, sanity checks, and regression testing across release cycles.
- Documented automation workflows, debugging guides, and execution reports for knowledge reuse.
- Built **Python scripts** for vulnerability scanning using **Trivy, Clair, Aquasec, and Twistlock**, identifying & mitigating **CVEs**.
- Supported installation, configuration, and functional validation of **CP4D** components.
- Collaborated in **Agile** Scrum ceremonies, contributing to sprint planning, execution, and review.

CERTIFICATION / COURSES

Microsoft Azure Certified – AZ-900 view credential	05/22
Microsoft Azure Certified – DP-900 view credential	10/23
Microsoft Azure Certified – AI-900 view credential	06/24
Kubernetes – CKAD course - Udemy	09/22
Ultimate DevOps Bootcamp course- Udemy	

ACHIEVEMENTS

- Persistent Bravo Team Award (Sept 2024).
- Persistent Bravo Team Award (Jan 2025).
- Received client appreciation for successfully completing multiple critical tasks.

EDUCATION

Examination	College/School	Year of Passing	CGPA
B.Tech. (Electrical)	Yashwantrao Chavan College of Engineering, Nagpur	2021	7.08

OTHERS

Interests: - Project Management, Cross-functional Collaboration, Continuous Learning