Ketan Badhe

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Portfolio: https://ketanmb69.github.io/

Profile:

DevOps background with 5+ years of work experience in DevOps methodologies, CI/CD, Configuration Management, and Release Management. Expertise in collaborating with other engineers on code reviews, internal infrastructure improvements, and process enhancements.Proficient in writing Kubernetes YAML files for the deployment of microservices into Kubernetes clusters. Proficient in developing automation scripts using Shell scripts. Strong troubleshooting skills to find out root causes. Well-versed in AWS, Linux operating system, Jenkins, Chef, and Python. Independent and self-motivated, with a track record of learning new technologies rapidly and going the additional mile to help others.
Languages: English (Professional – Verbal & Written), Marathi (Native), Hindi.

Certifications:

AWS Certified Developer Associate | **Credentials**
Operate Kubernetes on IBM cloud (IBM) | **Credentials**

Technology Skills:

• **Programming and Scripting Languages:** Python, Bash/Shell Scripting, Groovy, YAML, C.
• **Operating Systems:** macOS 10+, Amazon Linux 2/2023, Red Hat Enterprise Linux 8, Ubuntu 18.04 LTS, Windows 7/10/11.
• **Cloud IaaS & SaaS Platforms**: Amazon Web Services(AWS)
• **DevOps/Automation tools:** Jenkins, Chef, Terraform, Docker, Kubernetes, Splunk, GitHub, BitBucket, Datadog
• **Networking**: DNS, TCP, UDP, DHCP, Routing protocols, OSI layers, IP Addressing, Ping, Traceroute.
• **Middleware:** Apache Tomcat, WebLogic
• **Other technologies/Editors:** Machine Learning, Jupyter Notebook, Visual Studio Code, Zed, PyCharm

Work Experience:

Guidewire Software, Ireland | Cloud Network Operations Engineer   **December 2022 - Current**

• Spearheading AWS Cloud infrastructure management, automation, and optimisation initiatives.
• Actively contributing to AWS cost optimization projects, identifying and implementing strategies to maximize efficiency and reduce infrastructure costs.
• Conducting regular cost analyses and providing recommendations for optimizing resource utilization, resulting in significant cost savings.
• Designing and implementing robust Python automation scripts for seamless deployment, configuration, and scaling of applications.
• Applying a solid understanding of AWS cloud networking and security to identify, remediate, and prevent infrastructure vulnerabilities, improving overall security posture.
• Designing and engineering a variety of monitors, dashboards, and synthetic transactions using Datadog to enhance system observability and proactive incident management.
• Developing and configuring Jenkins pipelines to automate the continuous integration and delivery (CI/CD) processes, enhancing deployment efficiency.
• Collaborating with cross-functional teams to integrate and maintain applications, ensuring optimal performance and reliability.
• Executing and automating the patching strategies for customer applications, minimizing vulnerabilities and enhancing security.

Amdocs, India | Technology Integration Engineer   **September 2018 – August 2021**

• Skilled in ensuring to resolve identified issues related to the billing applications to the client.
• Focused on automation, containerization, integration monitoring, and configuration management.
• Developed and implemented software release management strategies for various applications according to the agile process.
• Operated Kubernetes to orchestrate Docker container deployment, scaling, and management. Created pods and managed using Kubernetes.
• Actively worked on Docker and deploying and maintaining microservices in QA and Dev environments.

• Created Ansible playbooks to deploy Virtual Machines and install the components as per requirements.
• Applied scripting knowledge to automate the deployment and find out the number of configuration mistakes easily, kept an eye on every server for utilization, and improved time complexity.
• Experienced in BOT Automation, operated for configuration and validation purposes, as a reason the team does not need to do the configuration and validations manually.
• Configured cluster, failover cluster, troubleshoot cluster issues, add/delete resources, and service groups.
• Provided support to numerous applications at the same time to maintain all the applications running without any problems and ensure health.
• Built the non-productive and production-like environments likewise configured to the latest versions.
• Set up elastic load balancers for distributed traffic and applied emergency fixes among multiple WebLogic servers.
• Managed the entire release communication and release coordination during the project roll-out.

SAP, Dublin, Ireland | <u>NASC Support Agent (PART-TIME)</u>   **January 2022 – December 2022**

• Worked part-time to support my studies.
• Ensured the IT Incidents and Service Requests are resolved within a given SLA. Resolving 20+ trouble tickets per day through efficient triaging of problems.
• Applied solutions, workarounds, patches, and fixes. Error handling, monitoring, and logging with the help of the Splunk tool.
• Maintained a 99% satisfaction rating in monthly end-user scoring through applied interpersonal skills and providing fast solutions.
• First point of contact for SAP customers on the SAP Community Network application.
• Highlighted all potential major incidents and problems to the respective service and problem managers.

Education:

<u>Masters in Cloud Computing | National College of Ireland, Dublin</u>   **September 2021 - August 2022**

• **Modules:** Cloud Architecture, Cloud DevOpsSec, Cloud Platform Programming, Blockchain Concepts, Fog and Edge Computing, Cloud Machine Learning, and Scalable Cloud Programming.

<u>Bachelor of Engineering in Computer Science | University of Mumbai</u>   **June 2014 – June 2018**

• **Modules:** Cloud Computing, Data Warehouse & Mining, Parallel and Distributed Systems, Software Engineering, Digital Forensics, Microprocessors, Operating Systems, Computer Networks, Mobile Computing, Distributed Databases, Data Structures, Object Oriented Programming.