

Ketan Badhe

Dublin, Ireland | +353 (0) 894835592 | badhe.ketan@gmail.com

Social: <https://www.linkedin.com/in/ketanbadhe/>

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

Profile:

Over 3 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, 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 (Fluent – verbal & written), Marathi (Native), Hindi.

Technology Skills:

- **Programming and Scripting Languages:** Shell Scripting, Python, YAML, C.
- **Operating Systems:** Red Hat Enterprise Linux 8, Ubuntu 18.04 LTS, Windows 7/10.
- **Cloud IaaS & SaaS Platforms:** AWS SageMaker, AWS EC2, Elastic Beanstalk, CodeDeploy, CodeCommit, IAM, CloudFront, DynamoDB, CloudWatch Alarms, and CodePipeline.
- **DevOps tools:** Kubernetes, Ansible, Docker, Jenkins
- **Networking:** DNS, TCP, UDP, DHCP, Routing protocols, OSI layers, IP Addressing, Ping, Traceroute.
- **Middleware:** Apache Tomcat, WebLogic
- **Other tools:** Splunk, GitHub

Work Experience:

Amdocs, India | **Technology Integration Engineer**

September 2018 – August 2021

- Focused on automation, containerization, integration monitoring, and configuration management.
- Developed and implemented software release management strategies for various applications according to the agile process.
- Kubernetes is being used to orchestrate the deployment, scaling, and management of Docker containers. 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 improve 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 the numerous applications at the same time to maintain all the applications keep running without any problems and ensure health.
- Built the non-productive and production-like environments likewise configured to the latest versions.
- Setup 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.

Certifications:

Operate Kubernetes on IBM cloud (IBM) | [Credentials](#)

Learn DevOps: CI/CD with Jenkins pipeline and Docker (Udemy) | [Credentials](#)

Ultimate AWS Certified Cloud Practitioner (Udemy) | [Credentials](#)

Education:

Masters in Cloud Computing | National College of Ireland, Dublin

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.

Bachelor of Engineering in Computer Science | University of Mumbai

June 2014 – June 2018

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

Projects:

- **3AK Pharma - An Integrated Cloud-Based Health Care Solution | April 2022:** Implemented an online doctor consultation, pharmacist and pathology lab integrated web-based system. The web application makes use of a publicly available REST API named Auth0 for authentication and a self-developed API for access management. Deployed the web application on Amazon Web services AWS Beanstalk platform and have also provisioned a full life-cycle CICD pipeline for the purpose of quick delivery and deployment of changes.
- **SARS-CoV-2 Pandemic Analysis and Prediction using Cloud-based Machine Learning Models | April 2022:** Devised several algorithms such as Long Short-Term Memory (LSTM), Prophet Model, and Pattern Evaluation to accurately forecast the future of the pandemic. The project displays the data in form of graphs and charts making it more meaningful and understandable.
- **Stock Investment Tool for Cloud Platform Programming | December 2021:** Focused on the application to perform the trading activities such as obtaining and selling the manually created one or more lists of shares and seeing the portfolio. Along with that, analyze the portfolio balance with other users.
- **Stock Portfolio Management | December 2021:** Designed an application (Stock Portfolio Management) to provide users with real-time stock information of any number of shares, used for acquiring and selling shares, and hosted the application in Amazon Web Services Cloud.
- **Smart Contract Deployment in Blockchain | December 2021:** Implemented the smart contract containing an ERC20 compliant ethereum token using node js JavaScript framework. The docker image is created and distributed 5% of the total supply of a token.
- **Users' behaviour prediction in e-commerce website | March 2018:** Calculated the actual sales and prices of most sold items using the SPADE Algorithm and predicted a sale by the ID3 Algorithm. A set of descriptive data mining techniques is applied that allows data analysts working at e-commerce companies to make strategic decisions to boost their sales as well as provide adequate customer service.

Hobbies:

- Analyzing stock charts using technical analysis, devising new workable technical strategies, and carrying out trading activities.
- Playing and watching Cricket and Kabaddi. When playing for the College team and the Corporate squad, I represented and earned leadership in both sports.