

Manish Pandey

✉ manishpandey.workmail@gmail.com ☎ 8092550742 / 8825128400 📍 New delhi
🌐 linkedin.com/in/manish-pandey-linkd 🗣 https://medium.com/@manishpandey919

Profile

Results-oriented professional with 5+ years of experience in mathematics education, now leveraging structured analytical skills to design, automate, and manage cloud-based infrastructure. Proficient in Linux, Git, AWS, CI/CD, and Infrastructure as Code, with hands-on experience delivering real-world technical projects.

Professional Experience

Education & Analytical Content Mathematics Educator | Academic QA Specialist | Content Analyst 07/2019 – 11/2024

Organizations:

98thPercentile, Koindo Trading Pvt. Ltd., BYJU'S, Trivium Education, Raman's Children Academy

Education

Bachelor of technology (B.tech) 2019
Netaji Subhash Engineering college Kolkata, India

Technical Skills

Cloud Platforms:

AWS

Scripting & Programming:

Bash, Python, Shell Scripting

Networking & Security:

VPC, Security Groups, Network IP, Protocols, Ports

DevOps Tools:

Git, GitHub, Jenkins, Docker, Terraform, Ansible, Kubernetes, SonarQube, Maven, Nexus


Operating Systems:

Linux (CentOS, Ubuntu)

Certificates

Udemy : DevOps Beginners to Advance With Projects

Credentials:

<https://www.udemy.com/certificate/UC-31f181cb-25a8-4f8a-b740-f39e75fef37e/> 

Projects

Project-8: Static Website Deployment on AWS EC2 using Terraform

Provisioned EC2 instance with Terraform, configuring IAM, security groups, and key pairs. Automated Apache2 installation and static site deployment using Bash script and Terraform provisioners for seamless provisioning.

Technologies: *Terraform, AWS EC2, IAM, Apache2, Bash, AWS CLI*

Project-7: Containerizing and Deploying Java Web Application on Kubernetes

Containerized a Java web app using Docker for improved portability and scalability. Later, deployed the containerized application on Kubernetes, configuring persistent storage and managing the application lifecycle using Kops.

Technologies: *Docker, Docker Compose, Vagrant, RabbitMQ, Memcached, Maven, Kubernetes, Kops, EBS, MySQL*

Project-6: CI/CD Pipeline Implementation for Web Application with Jenkins, Docker, and AWS ECS

Implemented a CI/CD pipeline for a containerized web app using Jenkins, Docker, and AWS ECS.

Technologies: *Jenkins, Docker, SonarQube, AWS ECS, GitHub*

Project-5: CI Pipeline with Jenkins (Freestyle & Pipeline)

Initially created a Jenkins Freestyle job for automated build and deployment using Maven and SCM integration. Later transitioned to implementing a Jenkins Pipeline as Code to automate build, test, and artifact management, improving code quality and collaboration.

Technologies: *Jenkins, Maven, SonarQube, Nexus, Slack, Git*

Project-4: Building Java Application Artifacts using Maven on AWS EC2

Set up a build environment on EC2 to compile and package Java applications using Maven.

Technologies: *AWS EC2, Ubuntu, OpenJDK 11, Maven*

Project-3: Re-architected Web App on AWS using Elastic Beanstalk & Managed Services

Re-architected a multi-tier web app, utilizing AWS PaaS/SaaS solutions to enhance scalability and cost-efficiency.

Technologies: *AWS Elastic Beanstalk, CloudFront, Route 53, ALB, EC2, S3, RDS, MQ, ElastiCache, IAM, CloudWatch*

Project-2: Local Web App Deployment – Manual Setup & Automation with Vagrant

Initially provisioned 5 VMs using Vagrant and manually configured Nginx, Tomcat, PostgreSQL, RabbitMQ, and Memcached. Later automated the setup by reducing errors and setup time through Vagrant provisioning and Bash scripts.

Technologies: *Vagrant, VirtualBox, Nginx, Tomcat, PostgreSQL, RabbitMQ, Memcached, Bash, Shell Scripting*

Project-1: Static Website Deployment on CentOS EC2

Deployed a static website on an EC2 instance using CentOS. Automated provisioning with EC2 user data, Apache setup, and website deployment.

Technologies: *AWS EC2, CentOS, Apache, Bash, Linux CLI*