



Digital Portfolio

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RESUME MODAL : CLOUD & DEVOPS ENGINEER



PROJECT TITLE



CLOUD & DEVOPS ENGINEER



AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link



PROBLEM STATEMENT

Modern software companies face challenges such as:

- Slow software delivery due to manual deployments.
- High infrastructure costs with poor resource utilization.
- Lack of automation in scaling and monitoring systems.
- Complex management of multiple environments (development, staging, production).



PROJECT OVERVIEW

AGEN A is a personal Cloud & DevOps portfolio system designed to:

- Showcase real-world DevOps workflows (CI/CD pipelines, containerization, monitoring).
- Demonstrate cloud infrastructure automation (AWS, Azure, GCP).
- Provide hands-on case studies (e.g., deploying microservices, Kubernetes clusters, serverless apps).
- Act as an interactive resume for recruiters and clients.



END USERS

- The portfolio targets: Recruiters/ Employers → To assess technical expertise in DevOps & Cloud.
- Clients/Companies → To explore scalable deployment solutions.
- Peers & Developers → To learn and collaborate on DevOps workflows.
- Students/Learners → To use case studies as reference for DevOps practices.

TOOLS AND TECHNIQUES

- Cloud Platforms: AWS, Azure, GCP
- Containerization: Docker, Kubernetes, OpenShift
- CI/CD Tools: Jenkins, GitHub Actions, GitLab CI, CircleCI
- Infrastructure as Code (IaC): Terraform, Ansible, CloudFormation
- Monitoring & Logging: Prometheus, Grafana, ELK Stack
- Version Control: Git & GitHub
- Scripting & Automation: Python, Bash, PowerShell
- Hosting Platforms: AWS EC2, Lambda, Netlify, Vercel

POTFOLIO DESIGN AND LAYOUT

The portfolio design follows a professional DevOps showcase approach:

- Homepage: Profile introduction with skills summary.
- About Section: Career objective and DevOps philosophy.
- Projects Section: Case studies with:
 - Problem Statement
 - Tools Used
 - Architecture Diagram
 - Implementation StepsOutcome

FEATURES AND FUNCTIONALITY

- End-to-end CI/CD pipeline integration with GitHub Actions or Jenkins
- Infrastructure deployment using Terraform & Ansible
- Kubernetes cluster deployment and scaling demo
- Cloud cost optimization workflows
- Monitoring dashboards (Prometheus & Grafana)
- Automated alerts and notifications (Slack/Email integration)
- Project showcase with architecture diagrams + screenshots
- Live demos hosted on AWS/GCP/Azure

RESULTS AND SCREENSHOTS

- CI/CD pipeline running with successful build & deployment logs.
- Terraform scripts creating AWS EC2, S3, and networking automatically.
- Kubernetes pods, services, and load balancing screenshots.
- Grafana dashboards showing system performance metrics.
- (Insert actual screenshots from your cloud/deployment dashboards.)

CONCLUSION

AGEN A highlights how a Cloud & DevOps Engineer can:

- Automate deployments and reduce manual effort.
- Ensure scalability and reliability with cloud-native tools.
- Monitor and optimize system performance.
- Provide a professional, interactive portfolio that demonstrates practical skills rather than just theory.
- This portfolio acts as both a learning hub and a recruitment-ready showcase for DevOps expertise.