

- Interactive portfolio using html css and javascript

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# **PROJECT TITLE**

## **INTERACTIVE PORTFOLIO USING HTML,CSS AND JAVASCRIPT**

# 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 RESEARCH UTILIZATION**
- LACK OF AUTOMATION IN SCALING AND MONITORING SYSTEMS**
- COMPLEX MANAGEMENT OF MULTIPLE ENVIRONMENTS  
(DEVELOPMENT, STAGING PROTECTION).**

# PROJECT OVERVIEW

**AGEN A IS A PERSONAL CLOUD& DEVOPS:  
PORTFOLIO SYSTEM DESIGN TO:**

- **SHOW CASE REAL-WORLD DEVOPS WORKFLOW(CL/CD PIPELINE,  
CONTAINERISATION, 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 ACCESS TECHNICAL EXPERTISE IN DEVOPS& CLOUD.**
- CLIENTS/COMPANIES -TO EXPLORE SCABLE DEPLOYMENTS  
SOLUTIONS.**
- PEERS&DEVELOPER-TO LEARN AND COLLABORATE  
ON DEVOPS WORKFLOWS.**

# TOOLS AND TECHNIQUES

- **CLOUD PLATFORM:AWS, AZURE,GCP**
- **CONTAINERIZATION:DOCKER, KUBERNETES,OPENSIFT**
- **CI/CD RULES: JENKINS,GITHUB ACTIONS,GITLAB CI,CIRCLECI**
- **VERSION CONTROL :GIT& GITHUB**
- **SCRIPTING& AUTOMATION : PYTHON,BASH,POWERSHALL**
- **HOSTING PLATFORMS:AWS EC2,LAMBDA,NOTLITY**

**VEREEL**

# POTFOLIO DESIGN AND LAYOUT

**THE PORTFOLIO DESIGN FOLLOWS A PROFESSIONAL  
DEVOPS SHOWCASE APPROACH**

- **HOME PAGE: PROFILE INTRODUCTION WITH SKILLS SUMMARY .**
- **ABOUT SECTION : CAREER OBJECTIVE AND DEVOPS PHILOSOPHY.**
- **PROJECT 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**
- **KUBERNETES CLUSTER DEPLOYMENT AND SCALING DEMO**
- **CLOUD COST OPTIMIZATION WORKFLOWS**
- **MONITORING DASHBOARDS (PROMETHEUS AND GRAFANA)**
- **PROJECT SHOWCASE WITH ARCHITECTURE DIAGRAM+SCREENSHOT**
- **LIVE DEMOS HOSTED AN AWS /GCP/AZURE**

# **RESULTS AND SCREENSHOTS**

- CI/CD PIPELINE RUNNING WITH SUCCESSFUL BUILD & DEPLOYMENT LOGS.**
- TERRA FORM SCRIPTS CREATING AWS EC2, S3, AND NETWORKING AUTOMATICALLY.**
- KUBERNETES PODS, SERVICE AND LOAD BALANCING SCREENSHOTS**
- GRAFANA DASHBOARDS SHOWING SYSTEM PERFORMANCE MATRICES.**

# **CONCLUSION**

**AGEN A HIGHLIGHTS HOW A CLOUD & DEVOPS  
ENGINEER CAN:**

- **AUTOMATE DEPLOYMENT AND REDUCE MANUAL EFFORTS**
- **ENSURE SCALABILITY AND RELIABILITY WITH CLOUD -NATIVE TOOLS.**
- **MONITOR AND OPTIMIZE SYSTEM PERFORMANCE.**
- **THIS PORTFOLIO ACTS AS BOTH A LEANING HUB AND A RECRUITMENT -READY SHOWCASE FOR DEVOPS EXPERTISE.**

