GADIDAMALLA THANGELLA

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Portfolio: https://gtk-thangella-17.github.io/G.Thangella-DevOpsEngineer-Portfolio/

Hyderabad, Telangana, INDIA

SUMMARY

As a Computer Science and Gaming Development graduate, I'm committed to revolutionizing how companies manage their cloud infrastructure and streamline development processes. I have a skill set in AWS, DevOps, and data analysis tools, including SQL, Python, Power BI, and Tableau, and I'm eager to apply these skills in real-world projects. I continuously seek to expand my knowledge and stay ahead of industry trends. I am also familiar with prompt engineering, AI-based code generation, and have explored various AI tools to understand their functionalities. I am excited to leverage these skills to contribute to innovative and impactful technology-driven initiatives. I have knowledge of HTML, CSS, JavaScript, and Bootstrap for front-end development. I have alsodeveloped websites.

TECHNICAL SKILLS

- **Data Analysis**: Excel, SQL, Python (Pandas, NumPy)
- **Data Visualization**: Power BI, Tableau
- **Version Control**: Git
- **Cloud:** Amazon Web Services (EC2, S3, RDS, IAM, VPC, ELB, EBS, CRR)
- **Data Processing**: Python (Data Cleaning, Analysis)
- **Statistics**: Excel (Descriptive Stats), Python (Stats)
- **Programming Languages**: C#, HTML, CSS, JavaScript, Bootstrap
- **Containerization & Orchestration**: Docker, Kubernetes
- **CI/CD**: Jenkins, Argo CD
- **Infrastructure as Code**: Terraform

- **Build & Deployment**: Maven

- **Monitoring**: Prometheus, Grafana

- **Configuration Management**: Ansible

- **Web App Server**: Apache Tomcat

- **Cluster Management**: Kops

- **Artifactory Tool**: Nexus

- **AI Tools**: Code Generation, Prompt Engineering

- **Operating Systems** – Linux, Windows, Macos

WORK EXPERIENCE

As a fresher, I've gained experience in DevOps practices, specializing inautomated CI/CD pipelines. I've worked with tools like Git, Maven,Jenkins, Terraform, AWS, and Nexus to streamline deployment processes.This includes setting up Jenkins nodes, configuring infrastructure withTerraform on AWS, and deploying web applications on Tomcat servers.I've also managed artifact uploads to Nexus for version control and utilizedPrometheus and Grafana for server monitoring. My academic backgroundin Computer Science complements my practical skills in DevOps. I'vedeveloped websites focusing on the frontend using HTML, CSS, JavaScript,and Bootstrap to create responsive and user-friendly interfaces. I alsohave a understanding of C# for programming and SQL for databasemanagement

PROJECTS

I worked on deploying reference source code to a Tomcat web application server, utilizing a variety of modern tools and technologies including Git, Maven, Jenkins, Terraform, AWS, and Nexus.

Key Contributions:

- **Infrastructure Creation:** Used Terraform to provision infrastructure through a Jenkins pipeline, ensuring scalability and automation.
- **Jenkins Setup:** Configured a Jenkins master-slave architecture, integrated with Ansible for seamless build and deployment automation.
- **Tomcat Configuration:** Set up the Tomcat web application server on the slave server, optimizing it for the deployment of the application.
- **Source Code Integration:** Integrated the reference source code with Jenkins to facilitate continuous integration and deployment.
- **Build Process:** Leveraged Maven to build the application and generate the WAR file necessary for deployment.
- **Artifact Management:** Uploaded built artifacts to Nexus for version control and easy access, ensuring artifact consistency.
- **Deployment:** Deployed the application onto the Tomcat server through an automated Jenkins pipeline, streamlining the deployment process.
- **Monitoring:** Implemented monitoring of the application server using Prometheus and Grafana, ensuring continuous performance tracking and alerting.

Data Analytics Dashboard (Power BI + SQL + Python)

Exploratory Data Analysis on Public Datasets

- Cleaned, analyzed, and visualized datasets to derive actionable insights.

- Tools: Python, Pandas, Matplotlib, Seaborn

Customer Segmentation Using Clustering

- Applied K-means clustering on retail customer data to identify distinct market segments,

  enabling targeted marketing strategies.

- Tools: Python, Pandas, Scikit-learn, Matplotlib

Interactive Data Dashboard

Developed a dynamic dashboard to display key metrics from financial/health datasets, supportingreal-time data-driven decisions.   - Tools: Tableau / Power BI / Dash (Python)

CREATIVITY AND PROFICIENCY

AI-Powered Code Generation & Programming Languages:

I possess a foundational knowledge of programming languages such as C, C++,python, C#, Java, HTML, CSS, JavaScript, and Bootstrap . I am capable of generating and customizing code to create fully functional websites and web applications.While I may not have extensive experience in all these languages, my understanding allows me to generate, modify, and customize code to bring my vision to life, creating dynamic and responsive websites tailored to specific needs.

Portfolio & Projects

Explore my web development projects and applications at:

- **Website/Portfolio**: https://gtk-thangella-17.github.io/G.Thangella-DevOpsEngineer-Portfolio/

- **GitHub**: https://github.com/GTK-THANGELLA-17

EDUCATION

- BackstagePass Institute Of Gaming And Technology

BSc (Honours) Computer Science And Gaming Development (2024)

- Sri Gayatri Junior College

Intermediate (MPC) (2019)

- Lotus Lap Public School

SSC Telangana State (2017)

LANGUAGES

- English (S - W - R)
- Hindi (S - W - R)
- Telugu (S - W - R)

HOBBIES AND INTERESTS

- Exploring New Technologies: I enjoy keeping up-to-date with the latest advancements in technology and exploring how they can improve daily life and business operations.

- Entrepreneurial Endeavors: I am passionate about entrepreneurial pursuits, including exploring new ideas and strategies.

- Gaming: I unwind by playing games, which helps me relax and sharpen my problem-solving skills.

DECLARATION

"I hereby declare that all the above information I have furnished is true and to the best of my belief."

- **PLACE:** Hyderabad

- **NAME:** G. Thangella