Giorgi Basilaia

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Work Experience

StayConnected Application   View Project

- Designed and implemented CI/CD pipelines using GitLab to automate build, testing, and deployment for frontend and backend aws services.
- Configured Prometheus and Grafana for monitoring VM performance and application health.
- Created Dockerfiles for application containerization and set up staging and production environments with secure secret management and isolated Docker networks.

Dockerized Node.js Backend   View Project

- Designed and deployed a Dockerized Node.js backend integrated with Nginx reverse proxy, using load balancing algorithms for optimal traffic distribution. secure HTTPS communication using a self-signed TLS certificate, ensuring encrypted and reliable data transmission.
- Configured and orchestrated the full stack using Docker Compose, enabling scalable deployment and streamlined development workflows.

Tic-Tac-Toe AI App   View Project

- Designed and implemented a Tic-Tac-Toe game featuring a single-player mode with an AI opponent powered by the Minimax algorithm for optimal decision-making and strategic gameplay.
- developed a user-friendly graphical interface using Pygame, enabling an interactive and visually appealing gaming experience.
- Integrated advanced AI logic with the Minimax algorithm, allowing the AI to evaluate all possible game states, predict player moves, and determine the best outcomes to ensure challenging and competitive gameplay.

Education

Computer Engineering Student

- Student at the Agricultural University of Georgia (2023 - Present)

TBC IT Academy

- Devops In Action : Real-World Applications and Scenarios Bootcamp

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Skills

Languages: Georgian, English

Tech Stack: Python, AWS, Grafana, Prometheus, Terraform, Linux, gitlab CI/CD