Mihai Drago Petrescu

Technical Skills

Python, TensorFlow

JavaScript, ReactJS

AWS SageMaker, Docker

SQL, PostgreSQL

Figma, Adobe XD

Foreign Languages

- English: C1
- Spanish: B2
- French: A2

Education

- University Name: University Politehnica of Bucharest
- Program Duration: 4 years
- Master Degree Name: University Politehnica of Bucharest
- Program Duration: 2 years

Certifications

- AWS Certified Solutions Architect Professional
- TensorFlow Developer Certificate

Project Experience

1. Predictive Analytics Platform

Led the development of a predictive analytics platform using Python and TensorFlow to analyze

large datasets and generate actionable insights for business decision-making. Implemented machine learning models that improved prediction accuracy by 25%, leveraging AWS SageMaker for model training and deployment. Utilized Docker for containerization, ensuring consistent and scalable deployment across different environments. Technologies and tools used: Python, TensorFlow, AWS SageMaker, Docker.

2. Interactive Dashboard for Data Visualization

Spearheaded the creation of an interactive data visualization dashboard using ReactJS and JavaScript, providing real-time insights into key performance metrics. Integrated PostgreSQL to efficiently manage and query large volumes of data, enhancing the dashboard's responsiveness and accuracy. Collaborated with the design team to ensure a seamless user experience, utilizing Figma for prototyping and design iteration. Technologies and tools used: JavaScript, ReactJS, PostgreSQL, Figma.

3. Cloud-Based Application Architecture

Architected a robust cloud-based application infrastructure on AWS, leveraging the AWS Certified Solutions Architect Professional certification to ensure best practices in security and scalability. Utilized Docker for container orchestration and automated deployment pipelines, significantly reducing deployment time and increasing reliability. Implemented a microservices architecture to enhance system modularity and maintainability. Technologies and tools used: AWS, Docker, AWS Certified Solutions Architect Professional.