

Andrei Mihailescu

Technical Skills

Python, TensorFlow

JavaScript, ReactJS

AWS SageMaker, Docker

SQL, PostgreSQL

Figma, Adobe XD

Foreign Languages

- English: C1
- Spanish: B1

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 Machine Learning Specialty
- Google Professional Cloud Architect
- Certified Kubernetes Administrator

Project Experience

1. Machine Learning Model Deployment on AWS SageMaker

Led a project to develop and deploy a machine learning model for predictive analytics using

Python and TensorFlow on AWS SageMaker. Utilized Docker for containerization, ensuring a seamless deployment process and scalability. The project resulted in a 25% improvement in prediction accuracy, significantly enhancing decision-making processes for the client. Technologies and tools used: Python, TensorFlow, AWS SageMaker, Docker.

2. Interactive Web Application Development

Spearheaded the development of an interactive web application using JavaScript and ReactJS, designed to provide real-time data visualization for business analytics. Implemented a PostgreSQL database to manage and query large datasets efficiently, resulting in a 40% reduction in data retrieval times. Collaborated with UI/UX designers to ensure a user-friendly interface, enhancing user engagement. Technologies and tools used: JavaScript, ReactJS, PostgreSQL, Figma.

3. Cloud-Native Application Design and Deployment

Directed the design and deployment of a cloud-native application architecture on AWS, leveraging Kubernetes for orchestration and Docker for containerization. As a Certified Kubernetes Administrator, implemented best practices for scalability and fault tolerance, achieving a 99.9% uptime. The project also involved integrating CI/CD pipelines to streamline the development process. Technologies and tools used: AWS, Kubernetes, Docker, CI/CD tools.