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.