

Irina Ctina Dumitrescu

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 Cloud Practitioner

- Microsoft Certified: Azure Fundamentals

- Certified Kubernetes Administrator

Project Experience

1. Machine Learning Model Deployment

Developed and deployed a machine learning model using Python and TensorFlow on AWS

SageMaker. The project involved preprocessing large datasets using SQL and PostgreSQL to ensure data quality and integrity. Utilized Docker for containerization to streamline the deployment process, ensuring the model could be easily scaled and maintained. This project enhanced the prediction accuracy of customer behavior by 20%.

2. Interactive Web Application Development

Created an interactive web application using JavaScript and ReactJS, focusing on delivering a seamless user experience. Designed the frontend interface with Figma and Adobe XD, ensuring a visually appealing and intuitive layout. Integrated a PostgreSQL database to manage user data efficiently, and implemented real-time updates using WebSockets. This project resulted in a 25% increase in user engagement and satisfaction.