Amalia Radu

Technical Skills

- Java, Spring Boot

- Python, Django

- Node.js, REST APIs

- SQL, PostgreSQL

- Docker, Kubernetes

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

- Oracle Certified Professional: Java SE 11 Developer

- Certified Kubernetes Administrator

- AWS Certified Developer Associate

Project Experience

1. Online Learning Platform Development

Spearheaded the development of an online learning platform using Java and Spring Boot, providing a robust backend for course management and user authentication. Integrated RESTful APIs to facilitate seamless communication between the frontend and backend, ensuring a smooth user experience. Utilized PostgreSQL for efficient data storage and retrieval, and deployed the application using Docker containers orchestrated by Kubernetes, enhancing scalability and reliability.

Technologies and tools used: Java, Spring Boot, REST APIs, PostgreSQL, Docker, Kubernetes.

2. Real-time Analytics Dashboard

Led the creation of a real-time analytics dashboard using Python and Django, enabling users to visualize data trends and insights dynamically. Implemented REST APIs to fetch and update data in real-time, ensuring the dashboard reflects the latest information. Employed Docker for containerization and leveraged Kubernetes for managing the deployment, ensuring high availability and fault tolerance.

Technologies and tools used: Python, Django, REST APIs, Docker, Kubernetes.