



# ALEKSANDAR TRENCHEVSKI

Backend engineer



## Profile

15.01.1996



Skopje, North Macedonia



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## Certificates

### AI-Code Synthesis-Core Skills

Encora I

Issued Dec 2024



## Education

### Master of Electrical Engineering and Information Technologies

Thesis: "Design, implementation and assessment of a system for monitoring atmospheric impacts and predicting air pollution"

Ss. Cyril and Methodius University of Skopje

2018 - 2021

### Bachelor of Electrical Engineering and Information Technologies

Thesis: "Web system for collecting and processing data for student services"

Ss. Cyril and Methodius University of Skopje

2014 - 2018



## About Me

Hardworking and detail-oriented backend engineer with 6 years of experience in designing and implementing RESTful APIs, integrating third-party services, and ensuring adherence to coding standards. Proficient in containerization technologies, CI/CD pipelines, and version control systems. Possesses a strong background in software development, with a Master's degree in Electrical Engineering Technology.



## Work Experience

### JAVA SOFTWARE ENGINEER

ENCORA INC. 14 MARCH 2023 - ONGOING

Skopje, Macedonia

CLIENT: BRANDWATCH

INDUSTRY: SOCIAL MEDIA

Brandwatch Social Media Management - developed applications and services for the "Publish" module where you can plan, create, and distribute your content.

CLIENT: COX NETWORKS

INDUSTRY: TELECOMMUNICATIONS

Telecom Middleware Applications - These applications are part of a set of applications and services used to receive, process, and provide information from a Mobile Network Operator.

- Implemented security measures such as encryption and authentication protocols to protect sensitive user data
- Integrated third-party services and APIs into existing backend systems to enhance functionality
- Participated in code reviews to ensure adherence to coding standards, maintainability, and performance optimization
- Implemented logging mechanisms using tools like Log4j or Elasticsearch for effective debugging and troubleshooting
- Leveraged continuous integration/continuous deployment (CI/CD) pipelines for efficient software delivery

NETCETERA 01 DECEMBER 2021 - 14 MARCH 2023

Skopje, Macedonia

INDUSTRY: BANKING

PROJECT DESCRIPTION

Supporting the development of 3DS Secure Digital Payments using Java Spring Framework. Managing customer requests and assisting in mitigating any reported incidents.

- Drove the adoption of best practices in code quality, testing, version control, and deployment processes
- Participated in code reviews to ensure adherence to coding standards, maintainability, and performance optimization
- Investigated production issues reported by users or identified through monitoring tools, providing timely resolutions
- Closely monitored server logs using tools like Splunk or ELK stack to identify and resolve issues proactively
- Collaborated with DevOps team to ensure smooth deployment and monitoring of backend services
- Leveraged version control systems (e.g., Git) effectively for collaborative development workflows



## Languages

English – Full Professional proficiency

Serbian – Professional working proficiency

German – Limited working proficiency



## Skills

### INDUSTRY KNOWLEDGE

**Programming**      **Web Development**  
**Machine learning**      **Game Development**  
**DevOps**      **Shell scripting**

### PROGRAMMING LANGUAGES

**Java**    **Python**

### SOFTWARE TOOLS AND TECHNOLOGIES

**Docker**   **FastAPI**   **Flask**   **Git**   **GitHub**

**Hibernate**   **JDBC**   **JSON**   **Kubernetes**

**Maven**   **MongoDB**   **MySQL**   **Numpy**

**Oracle DB**   **Pandas**   **Postgres**   **Postman**

**REST**   **Scikit-learn**   **Spring Framework**

**Spring Boot**   **Spring MVC**   **Swagger**

**MEDICAL IT REVOLUTION 15 JULY 2018 – 01 DECEMBER 2021**

**Skopje, Macedonia**

### INDUSTRY: MEDICAL

### PROJECT DESCRIPTION

Developing a medical application for hospitals in the Netherlands to provide admission of patients and scheduling examinations based on the patients diagnose. Supporting client requests and providing optimal software solutions.

- Application development, design, coding
- Technical specifications and test plans
- Support and ongoing maintenance of software functions
- Quick and professional elimination of software errors
- Analysis of customer needs
- Consultation with colleagues and clients regarding the maintenance of the functionality of the software system