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JAVA DEVELOPER-SUMMARY

Highly motivated recent Computer Science graduate with a background in analyzing, designing, implementing and testing of software applications. Deeply passionate about the captivating realms of Computer Vision, Artificial Intelligence and Computer Systems. Committed to continuous learning, with a drive to explore new technologies and deepen technical expertise. Eager to take on new challenges and pursue a rewarding career as a developer.

EDUCATION

TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

2023-present

MASTER'S DEGREE - FACULTY OF AUTOMATION AND COMPUTER SCIENCE

- Artificial Intelligence and Vision

TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

2019-2023

FACULTY OF AUTOMATION AND COMPUTER SCIENCE

- Computers And Information Technology, Information Technology

NATIONAL COLLEGE "HOREA, CLOSCA ȘI CRISAN", ALBA IULIA

2015-2019

MATHEMATICS AND COMPUTER SCIENCE WITH AN INTENSIVE ENGLISH PROGRAM

EXPERIENCE

FORTECH

July, 2022 - present / Cluj-Napoca

JUNIOR SOFTWARE DEVELOPER

- Designed and developed RESTful APIs to support front-end applications using Spring Boot framework, Hibernate and Docker containers.
- Utilized Spring Data JPA for database interaction, including entity modeling and repository management
- Implemented security measures such as authentication and authorization using Spring Security, ensuring robust protection of sensitive data (stateless authentication using *JWT* tokens)
- Collaborated with DevOps and infrastructure teams to optimize infrastructure provisioning and scaling by encapsulating application components in Docker containers
- Developed and maintained automated unit and integration tests, achieving high code coverage
- Integrated third-party systems and services into applications using docker containers
- Conducted code reviews and sharing best practices to elevate the team's technical skills

FORTECH

March, 2023 - present / Cluj-Napoca

JUNIOR TRAINER

- Create comprehensive training content, presentations, hands-on coding exercises, and practical projects to promote tangible utilization of Java concepts
- Engage in close partnership with experienced trainers to consistently refine and enrich training materials, aligning them with dynamic industry developments
- Contribute actively to the evaluation of participants' advancement and achievements during the training

FORTECH S.R.L

Febraury, 2022-June, 2022 / Cluj-Napoca

INTERN FULL STACK DEVELOPER

- Java Spring Boot and React Js applications

SKILLS

SOFTWARE

IMPERATIVE PROGRAMMING C | C++

OBJECT ORIENTED Java | Python

OTHERS VHDL | Prolog | Haskell | Lisp | SQL | HTML | CSS | JavaScript

OPERATING SYSTEMS Linux Mint | Windows 10

FRAMEWORKS & LIBRARIES Spring Boot | Django | React

OpenCV | OpenGL | GLM | Hibernate | RabbitMQ | WebSockets

SOFTWARE DEVELOPMENT Programming Paradigms | GIT | CLI | Design Patterns

SOLID Principles | Docker | PostgreSQL | Spring Security | JUnit and Mockito

LANGUAGES

ROMANIAN Native
ENGLISH Upper Intermediate (B2)

BACHELOR'S THESIS

ENVIRONMENTAL PERCEPTION USING AN INTEL REALSENSE DEPTH SENSOR

- C++ application - occupancy grid of the captured scene and instance segmentation using Mask R-CNN and Kalman Filter

VOLUNTEERING

YOUTHBANK ALBA

2016 - 2019

ACQUIRED SKILLS

- *Teamwork*: part of a team of more than 10 people
- *Project Management*: analysis of some projects from the point of view of feasibility and eligibility
- *Leadership*: monitoring some project teams

PERSONAL PROJECTS

ONLINE ENERGY UTILITY PLATFORM

Online platform designed and implemented to manage users, their associated smart energy metering devices, and the monitored data from each device

USED TECHNOLOGIES

- Spring Boot, React Js, RabbitMQ, WebSockets, Docker
- Spring Security; stateless authentication using JWT tokens
- Database version control with Flyway
- PostgreSQL database
- Packaged and deployed using Docker containers and used Microsoft Azure for CI/CD

EDUCATIONAL SOFT - CIRCLE GEOMETRY

Interactive Circle Geometry Desktop Application - designed to enable users to draw various geometric figures, with a focus on circles, using the mouse in an interactive graphical user interface (GUI).

USED TECHNOLOGIES

- Java application with Swing
- 4 versions of the application: MVP architecture, MVVM architecture, MVC architecture and Client Server
- Applied design patterns: *Observer, Builder, Singleton, Proxy, Command, Factory Methods*

TEAM PROJECTS

TRAVEL POINTS

Web application (Spring Boot, React) designed to provide tourists with essential information about various locations and tourist attractions worldwide.

USED TECHNOLOGIES

- Spring Boot, React Js
- Email service using SMTP
- Packaged and deployed using Docker containers

EXTRA

CERTIFICATIONS

- Database Design and Programming with SQL, *Oracle Academy* - 2019

ERASMUS+

- The European Youth Exchange E.T.R.E in Cherbourg 2017
- Erasmus+ project Calabria (Italy) 2018

OTHER TOPICS OF INTEREST

- *Artificial Intelligence*: search problem agents, local search algorithms, classical planning, first order logic
- *Operating systems*: memory management, system call functions, process management and multi-threading

COMMUNICATIONS AND TEAMWORK SKILLS

- listening skills, problem-solving, project management skills