

Vlad-Constantin Comârlău

Software Developer | Assistant at Institute of Cellular Biology and Pathology "Nicolae Simionescu"

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Profile

Focused on full stack web development using Java, Spring Boot, React, REST APIs and relational databases with 6 years of experience in QA. Recently graduated with a bachelor's degree in computer science from the Faculty of Cybernetics, Statistics and Economic Informatics and holding a Management Bachelor's degree. Enthusiastic about problem solving and continuous learning.

Experience

Software Developer

Personal projects

- Business Operations & Finance **full-stack web application** [Feb/2025 - *Currently working on*]
Company financial and performance analysis and reports with OpenAI API powered features like recommendations and auto-complete. Secure backend **REST API** with **Java**, **Spring Boot**, **Spring Security**. Deployed on **AWS EC2** using **Kubernetes (K3S)**, **Docker** and **private Docker registry**. **React** frontend using **TypeScript**. Automated **CI/CD** pipeline using **Jenkins** with automated **JUnit** tests. Studying **Kafka**, **OpenSearch** / **ElasticSearch (Kibana)**, **Log4j**.
- HR management **full-stack web application** [May/2024 - Oct/2024]
Management of teams, payroll, leave, and performance evaluation. Secure backend **REST API** with **Java**, **Spring Boot**, **Spring Security (JWT, Authentication)**, **H2 relational database**, **Maven** and interactive frontend using **React**, **PrimeReact** and **Axios**. **OpenAI API** for automated feedback. Developed using **IntelliJ IDEA IDE**.
- Ride Sharing **Android frontend** [Nov/2023 - Dec/2023]
Android application used for scheduling ride sharing trips. University project for the "Mobile devices and applications" course. Developed using Java in **Android Studio IDE**.
- Live TV Java **web application** [Jul/2023 - Aug/2023]
Streams live TV over the internet. Manipulates TV box using infrared through Arduino serial communication with automatic channel list updates.

- Video Games [2020 - 2023]
Developed a 3D fighting game called "Hit8ox" written in Lua for Pico8 virtual console. 3D rendering engine was built from the ground up with animation system, particles, sprite rotation, reflections. Also developed a 2D driving game called "Night Ride". Games fit in under 42K of memory.

Research Assistant

Institute of Cellular Biology and Pathology "Nicolae Simionescu",
Mar/2023-Present (2 yrs)

- Supporting the research efforts of the esteemed team of scientists by monitoring experiments, preparing materials and/or samples and maintaining equipment and supplies.

Senior QA Tester

Ubisoft,
Feb/2017-Jan/2023 (6 yrs)

- Created and executed test cases required by the project coordinators
- Coordinated a team of 15 people by allocating tasks, monitoring progress and providing guidance and support to team members
- Performed manual tests on all major gaming platforms and mobile (iOS and Android)

Education

Faculty of Cybernetics, Statistics and Economic Informatics

- Bachelor's - Computer Science
- Grade 9,66
- 2021 - 2024

Faculty of Management

- Bachelor's - Management
- 2015 - 2018

Technical skills

Java	REST API
Spring	React
Spring Boot	JavaScript
Relational databases	TypeScript
SQL and PL/SQL	GIT
JUnit testing	AWS
Maven	Linux
Postman	Eager learner
Kubernetes	Team player
Docker	Communicative
Jenkins	