

Vlad-Constantin Comârlău

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

Contact

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Personal website

comarlau.com

Education

- Faculty of Cybernetics, Statistics and Economic Informatics**
 - Bachelor's - Computer Science
 - Grade 9,66
 - 2021 - 2024
 - Graduated in the top 3 of my class
- Faculty of Management**
 - Bachelor's - Management (ASE)
 - 2015 - 2018

Technical skills

- | | |
|----------------------|--------------------|
| Java | REST API |
| Spring | Vite |
| Spring Boot | React |
| Spring Security | react-oidc-context |
| OAuth | JavaScript |
| Relational databases | TypeScript |
| SQL & PL/SQL | Git & GitHub |
| JUnit testing | AWS |
| Maven & Gradle | Postman |
| Kubernetes | Linux |
| Docker | Jenkins (CI/CD) |
| TestRail | Eager learner |
| Jira | Team player |
| Confluence | Communicative |

Profile

Focused on full stack web development using Java, Spring Boot, React, REST APIs and relational databases with 6 years of experience in QA (Ubisoft). Recently graduated in the top 3 of my class with a bachelor's degree in computer science from the Faculty of Cybernetics, Statistics and Economic Informatics and also 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 with reports, with OpenAI API powered features. Secure backend **REST API** with **Java**, **Spring Boot**, **Spring Security**, **OAuth2 Authorization Server**. Deployed on **AWS EC2** using **Kubernetes (K3S)**, **Docker** with **private Docker registry** and **Gradle** for build automation. **Vite React** frontend using **TypeScript**, **TailwindCSS**, **react-oidc-context**. Automated **CI/CD** pipeline using **Jenkins** with automated **JUnit** tests. **Git** and **GitHub** for versioning. Studying **Kafka**, **OpenSearch / ElasticSearch (Kibana)**, **MySQL**.
- Portfolio **front-end and deployment web application** [Apr/2025]
Personal projects website using **Vite React (TypeScript)** with scroll-based animations using **Motion**, styling with **TailwindCSS**. Hosted on **AWS EC2** using **Kubernetes (K3S)**, **Docker** and **private Docker registry** with automated **CI/CD** pipeline using **Jenkins**. **Git** and **GitHub** for versioning.
- 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 front-end** [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. With a 3D rendering engine that I've built from the ground up with animations system, particles, sprite rotation, reflections. Also developed a 2D driving game called "Night Ride". One of the games was publicly praised by DOOM Creative Director Tom Hall on Twitter (X).

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]

- Experience with **Jira**, **Confluence** and **TestRail**
- 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**)