

# ALEXANDRU IERCOSAN-LUCACI

## BACKEND JAVA DEVELOPER



## About Me

I'm good problem solver, analytical thinker with an accent on delivering the most durable and scalable solution. I work mostly with Java backend systems, but I am also knowledgeable about additive manufacturing software and hardware development.

## Contact

### Phone

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### Email

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### Website

<https://lucaci32u4.xyz>

### Github

@lucaci32u4

## Skills

- Java technologies
  - Maven / Gradle
  - Hibernate / JDBC / HQL / SQL
  - JMS / ActiveMQ
  - Jetty / Javalin / Spring Boot
  - SLF4J / Log4j
- Git version control system
- CI/CD workflow
- Linux systems
  - Scripting with bash & python
  - System management (systemd)
  - Advanced networking, including site-to-site tunneling
- Basic CAD skills
- 3D printer usage, design and maintenance

## Languages

- Romanian *Native Speaker*
- English *C1*
- German *A2*

## Education

**Faculty of Automatic Control and Computers**  
**University Politehnica of Bucharest**

**2018 - present**

I am currently a fourth year student at Faculty of Automatic Control and Computers. In the 2022 spring semester I taught Digital Electronics Laboratory lessons with overwhelmingly good feedback.

## Experience

**Clockworks Robotics Team**

**September 2019 - March 2022**

*Mentor (Volunteering activity)*

During my mentoring activity I have been responsible with coordinating the technical process of designing, building and testing of a competition robot. I also acquired extensive skills related to mechanics, 3D printer building, usage and maintenance.

I have used my networking and computer science skills to create an fully remote-controllable fleet of 3D printers and various miscellaneous services.

**Hecate Association**

**October 2021 - present**

*Backend Java Developer (Freelancing activity)*

At Hecate I am responsible with the development of our entire incident monitoring and distribution system. Our architecture is based on microservices that communicate over a central messaging queue.

Our systems are fully-scalable (both horizontal and vertical) and fault-tolerant. The components are implemented in Java, using enterprise technologies: Hibernate, JDBC, JMS, ActiveMQ.

Contact: <https://disparut.org> / [bogdan@disparut.org](mailto:bogdan@disparut.org)

**The Urban Development Association**

**April 2022 - June 2022**

*Docker Integration Developer and 3D Printing Technician (Freelancing activity)*

I am responsible for developing an integration between an image database and a 3D printer used to create learning sheets for blind learners.

Images are fed through a pipeline that has multiple stages (conversion to stereolithography, slicing with given parameters, printing). The 3D printers require extensive calibration and attention to detail to perform optimally.

Contact: <https://procivic.ro> / [dan.patzelt@procivic.org](mailto:dan.patzelt@procivic.org)