

# BUJOR ALEXANDRU-MIHAI

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## SUMMARY

With an unwavering belief that progress thrives beyond comfort, I am a highly motivated software developer seeking challenging opportunities to drive innovation. My expertise in programming, problem-solving, and agile methodologies, coupled with a dedication to continuous learning, enables me to bring exceptional value to any dynamic team. Eager to excel and innovate in a collaborative environment that fosters growth.

## PROFESSIONAL EXPERIENCE

Deutsche Bank Global Technology, Bucharest, RO  
Software Developer - Internship

March 2023 – July 2023

- Collaborated with a dynamic team to develop a charity platform using Java, Spring Boot, Angular, and OOP Programming, showcasing skills in full-stack development.
- Implemented JWT role-based authentication and SMTP mail functionalities, enhancing platform security and communication capabilities.
- Leveraged Docker for efficient deployment and utilized Google Cloud services, including Cloud Run, Cloud SQL, and Cloud Storage, ensuring seamless scalability and reliability.
- Successfully completed the project within a 4-month internship, gaining hands-on experience in cutting-edge technologies and delivering impactful solutions with exceptional functionality.

◆ GitHub Projects & Personal Portfolio  
<https://bujorul.com>

April 2021 – Present

- Developed a web app with Flask for non-linear least square fitting to experimental data.
- Created responsive graphical representations using Chart.js for enhanced visualization.
- Implemented PostgreSQL database for secure storage of fitting parameters with user login system.
- Deployed the app on Railway platform for remote access, while hosting data and charts on Azure cloud platform for optimized storage and scalability.

◆ National Institute for Research and Development in Microtechnology, Bucharest, RO  
PhD Researcher

October 2018 – Present

- Developed functional protocol for electrochemical experiments using SECM, enhancing research capabilities significantly.
- Collaborated with interdisciplinary teams, excelling in data gathering, fitting, and advanced analytical problem-solving for substrate design.

## EDUCATION

UNIVERSITY OF BUCHAREST, FACULTY OF CHEMISTRY, Bucharest, Romania  
Bachelor of Science in Chemistry (concentration: biochemistry),  
Honours: Graduation Exam grade of 9.77/10

July 2018

## ADDITIONAL SKILLS

- Java 17, Spring Boot, MySQL, Angular, Docker, Google Cloud Platform, Cloud Run, Cloud SQL, Cloud Storage, Linux
- Fluent in English and elementary in French