

ALEXANDR OJOG

I am a Back-End Developer with a background in Chemical Engineering. I worked with Ruby on Rails and Node.js, where I was engaged in processes of REST API development; Development and maintaining databases, data storage solutions; Writing server-side code to handle application logic, data processing and user authentication

EDUCATION

- 2019-2021 + Moldova State University, Faculty of Chemistry
Master's degree. Coordination chemistry
- *Presented a thesis study on the "Synthesis of some 3d metal coordination compounds with salicylaldehyde 4-(3-(methylthio)propyl)thiosemicarbazone"*
- 2016-2019 + Moldova State University, Faculty of Chemistry
Bachelor's degree. Pharmaceutical production technology
- *Presented a thesis study on the "Ginkgolides - diterpene compounds as cardiovascular drugs"*

EXPERIENCE

- 2022 + Back-End Developer at EduWork Outsource
JavaScript | Ruby | PostgreSQL | MongoDB | Node.js | Ruby on Rails
- *Wrote server-side code in languages such as Ruby and JavaScript*
 - *Designed and implemented API's*
 - *Managed and interacted with databases such as MongoDB and PostgreSQL*
 - *Ensured the security and scalability of the application*
- 2021 + Back-End Developer at Freelance
Ruby | Python | SQL | Kafka | RDBMS | Elasticsearch
- *Maintained the back-end of web apps, including server-side code*
 - *Implemented databases to store and manage data for applications*
 - *Moved data from one system to another, such as from a legacy system to a modern one*
 - *Improved the performance of web applications*
- 2021 + Project Manager at AmpersDev Outsource
Tech | Communication | Organization | Agile
- *Defined project goals, timelines, budgets, and resources*
 - *Communicated with project stakeholders, including team members, clients, executives*
 - *Identified and mitigating project risks, such as schedule delays and technical problems*
- 2018-2021 + Chemical Engineer at Biochemtech SRL
Organic Synthesis | Chemical Analysis | Materials Engineering
- *Developed and designed processes for the organic synthesis (pheromons for insects)*
 - *Optimized the synthesis process to improve yields, reduce costs, increase quality*
 - *Prepared organic compounds for analysis (extraction, purification, concentration)*

SKILLS

- Languages + Russian C2, English B2, Romanian B1, Ukrainian B1, Norwegian A2
- Tech + Languages: Ruby, SQL, JavaScript
+ DBMS: PostgreSQL, Elasticsearch, Redis, MongoDB
+ Frameworks: Ruby on Rails, Express.js, React.js
+ Containerization: Docker, K8s
+ Cloud: AWS
- Science + Experience in pharmaceutical product synthesis and production
+ Experience in optimization techniques to identify optimal designs
+ Experience in research in modeling of chemical processes
+ Practical experience in a range of analytical and organic synthesis techniques