Egor Busuioc

Java Developer | egorbusuioc.portfolio | egorbusuioc.github
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PROFESSIONAL EXPERIENCE

Coherent Solutions   **Chișinău, Moldova**
Java Backend Developer Intern   *03/2024 – 07/2024*

- **Technical Skills:** Successfully completed a production – level software development internship with a strong focus on Java and the Spring Framework ecosystem.
- **Backend Development:** Gained hands – on experience in building clean, maintainable, and scalable backend applications using Java, Spring Boot, and related technologies.
- **Spring Ecosystem Proficiency:** Worked with key Spring modules such as Spring Data JPA, Spring Security, Spring MVC, and Spring Validation to build secure and efficient web applications.
- **Agile Fundamentals:** Collaborated in Agile teams using Scrum methodology, participating in sprint planning, daily stand – ups, and retrospectives to ensure iterative and transparent development.
- **Tool Proficiency:** Utilized tools like IntelliJ IDEA, Postman, Git, and Atlassian products (JIRA) for development, testing, documentation, and team collaboration.
- **Object-Oriented Design:** Applied core OOP principles (encapsulation, inheritance, polymorphism, and abstraction) in designing robust and modular software components.
- **Problem-Solving Skills:** Tackled real – world challenges by developing and debugging Spring – based applications, following best practices in code structure, exception handling, and testing.
- Replaced traditional REST communication with Apache Kafka for fire – and – forget operations (e.g., deletion, audit logging), reducing response latency by **~35%** and improving throughput under load.
- Migrated critical request – response interactions (e.g., profile editing, saving new data) to gRPC, resulting in an average **50%** reduction in inter – service latency and streamlined schema definition via .proto.

Cedacri International   **Chișinău, Moldova**
Full – Stack Developer Intern   *11/2023 – 02/2024*

- **Technical Skills**: Successfully completed a comprehensive 80 – hour training course focused on **Modern Java** and **Angular** for application development.
- **Full-Stack Development**: Gained knowledge of back – end development using Java and front – end development with Angular, bridging the gap between server – side and client – side programming.
- **Framework Proficiency**: Improved expertise in modern frameworks, tools, and technologies essential for efficient software development.
- Extracted 3 core business domains (user management, and notifications) into independent services, improving modularity and deployment flexibility.
- Improved deployment speed by **25%** and reduced build times through Dockerization and service isolation.

Endava   **Chișinău, Moldova**
Java Backend Developer Intern   *09/2023 – 11/2023*

- **Technical Knowledge**: Successfully completed a three – month training program focused on mastering Java and essential tools, including Git, SQL, Maven, Spring Framework, and Unit Testing.
- **Practical Skills**: Gained hands – on experience through real – world scenarios and projects, developing efficient and scalable software solutions.
- **Theoretical Understanding**: Developed a deep understanding of core Java concepts, object – oriented programming, and industry – standard software development practices.
- **Tool Proficiency**: Improved proficiency with modern tools like Git for version control, SQL for database management, Maven for project automation, and Spring for backend development.
- **Problem-Solving Skills**: Strengthened problem – solving abilities by learning and applying unit testing strategies to ensure software quality and reliability.

Ultra   **Chișinău, Moldova**
DevOps & Cloud Intern   *05/2023 – 08/2023*

- **Infrastructure as Code (IaC):** Gained hands – on experience with Terraform to provision, configure, and manage infrastructure in a reproducible and scalable manner.
- **Containerization & Orchestration:** Worked with Docker to containerize applications and explored Kubernetes to orchestrate and manage microservices in development and testing environments.
- **Cloud Platforms:** Acquired foundational knowledge of public cloud providers (AWS / Azure / GCP), including resource deployment, basic networking, monitoring, and storage management.
- **Version Control & Collaboration:** Actively used Git for version control and collaborated with team members via GitHub and GitLab, following modern Git workflows and code review practices.
- **Agile Collaboration:** Worked in Agile teams following Scrum methodology, contributing to sprint planning, daily stand – ups, and retrospectives to drive continuous improvement.
- **System Administration:** Gained exposure to Linux server administration, shell scripting (Bash), and task automation for system maintenance and deployment tasks.
- **Networking & Routing Fundamentals:** Built a strong understanding of network protocols, subnetting, DNS, DHCP, VLANs, and routing concepts through Cisco networking labs and simulation tools like Cisco Packet Tracer.

47th Parallel   **Chișinău, Moldova**
Sales Associate   *02/2021 – 04/2021*

- **Customer Service Skills**: Assisted customers in selecting products, answering their questions, and providing detailed information about items, ensuring high customer satisfaction.
- **Sales Skills**: Met and exceeded sales targets by offering additional products and services, contributing to increased store revenue.
- **Merchandising Skills**: Maintained organized displays, updated price tags, and arranged products to ensure the store's appealing presentation.
- **Communication Skills**: Built strong rapport with customers, fostering a welcoming environment and encouraging repeat visits.
- **Teamwork Skills**: Collaborated with colleagues on tasks such as preparing for promotions and conducting inventory checks.

Operator in the Presidential Elections in the Republic of Moldova   **Chișinău, Moldova**
Central Electoral Council   *11/2020 – 11/2020*

- Assisted in the organization and execution of the presidential election process as a non – profit contribution to the democratic process.
- Operated electoral software and managed data entry, ensuring accuracy and compliance with election protocols.
- Contributed to the post – election process by verifying and consolidating data for final reporting.

PROJECTS

HessenLand   *05/2025 – present*
github.project.link

- Designing the application with **real – world scalability** and architecture in mind, following modern backend practices.
- Using **Docker containerization** to support deployment and scalability.
- Built on Spring Cloud, including:
  - **Spring Cloud** Gateway for request routing and centralized security filtering.
  - **Netflix Eureka** for service discovery and dynamic scaling.
- Implemented **Spring Security** with **JWT authentication**, with the authentication filter located at the Gateway level.
- Developed email – based user registration flow using **JavaMailSender (Spring Email)** for confirmation emails.
- Microservices communicate via a **Kafka Message Broker**, ensuring asynchronous and decoupled inter – service communication.
- Integrated **Spring Scheduling** to automatically clean up expired tokens from the database.

- Planned future enhancements include:
- **Redis** – based caching:
  - Query results (e.g. apartment search) are cached for 48 hours.
  - If the same query is requested again within 48 hours, cache is served and the timer resets.
  - Caching logic considers newly available apartments.
- Planned frontend: built with **Angular**, enhanced with **GSAP** for animations.
- **Stack:** Spring Boot, Spring Cloud (Gateway, Eureka, Config), Spring Security, JWT, Spring Email, Apache Kafka, PostgreSQL, Redis, Spring Scheduling, Angular, GSAP, Netflix Eureka, Python, TensorFlow, Docker.

FuldaConnect   *10/2025 – present*
- **University Project for the organization events.**
- **Stack:** Python FastAPI, React, AWS, Redis.

BikeShop   *03/2024 – 07/2024*
github.project.link
- **Fully working end – to – end** application.
- Session – based authentication and authorization.
- Integration with Google APIs to determine user location.
- Server – rendered HTML pages (Thymeleaf).
- Admin functionality:
  - Upload and manage product listings.
- Customer features:
  - Browse product catalog.
  - Add items to cart.
  - View product availability and quantity.
  - Reserve/book products.
- Photo interaction:
  - Image swiping.
  - Upload photos via async requests with JavaScript.
- Smooth UI animations using GSAP.
- PostgreSQL as the main relational database.
- **Stack:** Java Spring Boot, Hibernate, Spring JPA, Spring WebMVC, JavaScript, GSAP, PostgreSQL.

EDUCATION

Hochschule Fulda   **Fulda, Germany**
M.Sc. Global Software Development   *10/2024 – 09/2026*
- Specialization: Software Engineering
- Industry project at IETEC Orthopädische Einlagen GmbH (*03/2025 – 08/2025*):
  - *DeltaWatch* – CDC Java microservice app: developed 3 Spring Boot microservices (Security, Notification, API Gateway) with JWT auth, encrypted user data, email – based registration & recovery.

Moldova State University   **Chișinău, Moldova**
B.Sc. Computer Science   *09/2021 – 07/2024*
- The program improves skills in computer science, such as Programming and Software Development, Data Structures and Algorithms, Web Development, Database Management, Cybersecurity and Cloud Computing.
- My focus: Java Backend Development.
- GPA (1.4) is in the TOP 10% of bachelor's students.
- Thesis: "*Development of a server application with monolithic architecture in Java and Spring: from concept to implementation*".
- Elected as a Student Representative since September 2021.

High-school "Dimitrie Cantemir"   **Chișinău, Moldova**
Emphasis on real-world sciences   *09/2009 – 07/2021*

SKILLS & LANGUAGES

- **Digital Skills:** JavaEE, JavaSE, Java Spring Framework, Kafka, Angular, TypeScript, JavaScript, Git, GitHub Actions Relational DB, RESTful Apps, OOP, Algorithms; Microsoft Office (Excel, PowerPoint, Word, Power BI, SharePoint), DevOps Fundamentals, CI/CD Pipelines, Docker, Terraform, Linux System Administration, Bash Scripting, AWS, Google Cloud.

- **Personal Skills:** Analytical Skills; Problem-Solving; Communication; Global Competency; Independent Working Style; Adaptation & Flexibility; Structured Working Style, Self-Responsibility.

- **Languages:** Russian (C2); English (C1); Romanian (C2); German (A2).

CERTIFICATES & INTERESTS

- **Certificates:** Endava Certificate, Cedacri International Certificate, Coherent Solutions Certificate.

- **Interests:** Travelling; Modern and Ancient History; Plant Care and Breeding; Reading; Sport (cycling, basketball, gym, hiking); Coffee brewing.

- **Nationality:** Romania.