Fadi Baghdadi

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LinkedIn Profile | GitHub Profile

Highly skilled and motivated Software Engineer with over 2 years of professional experience. Proficient in Java and TypeScript, with expertise in Spring Boot and NestJS frameworks. Demonstrated ability to work collaboratively in fast-paced environments, with strong analytical and problem-solving skills. Dedicated to creating and maintaining efficient back-end systems, delivering high quality results.

Skills

- **Programming (and Scripting) Languages:** Java, Typescript, Python, JavaScript, Bash
- **Database Management Systems and Caching:** PostgreSQL, MongoDB, Neo4J, Redis, InfluxDB
- **Frameworks and Libraries:** Spring Boot, Nest.js, Node.js, Express, Bootstrap 5
- **Tools and Cloud Services:** GitLab, GitHub, Postman, DevSpace, Linode, Docker, Kubernetes
- **Theory:** Complexity Analysis, Data Structures and Algorithms, Design Patterns, and Object-Oriented Programming
- **Testing:** Integration Testing, Unit Testing, E2e Testing
- **Message Brokers:** Kafka, Pulsar

Professional Experience

Backend Software Developer – Blue.ai, Beirut

March 2023 – Present

- Continuously applying and honing skills acquired in the previous role, with a focus on writing clear, maintainable, and testable code.
- **Expanded testing expertise:** Increased test coverage by 50% across various levels (controller testing, integration testing), resulting in a 20% reduction in post-release bugs. Additionally, reducing the test size by 25% by adopting application flows test rather than just methods.
- **Employed scripting languages:** Reduced development and testing time by 40% through automation scripts, leading to increase in productivity.
- **Conducted performance testing:** Improved query efficiency by more than 50% through performance optimizations, resulting in faster data retrieval and processing. Additionally, enhanced API performance by 40%, leading to quicker response times and improved overall system efficiency.
- Acquired hands-on experience with Pulsar, a messaging and event streaming platform similar to Kafka, and conducted performance testing to evaluate and compare the efficiency of both services.
- Strengthened collaboration and communication skills, fostering effective teamwork within cross-functional development teams.
- Enhanced presentation and research skills, contributing to more effective knowledge-sharing sessions and informed decision-making processes.
- Practiced implementing APIs in new frameworks like Flask and Nest.js, expanding proficiency in diverse technology stacks.
- Actively participated in workshops related to machine learning and deep learning, gaining valuable insights into cutting-edge technologies and their applications.

Backend Software Developer – Antwerp Technologies, Tyre

March 2022 – March 2023

- Collaborated with team members to design, develop and maintain scalable and efficient backend systems and APIs.
- Employed Java and Spring Boot to craft scalable and maintainable microservices, ensuring seamless communication through RESTful APIs.
- Worked with database technologies such as PostgreSQL, Neo4J, MongoDB, and with caching technologies like Redis.
- Implemented security measures such as encryption, authentication, and authorization and worked with systems such as Keycloak.
- Utilized Git for version control and performed code reviews to ensure adherence to best practices and standards.
- Utilized Agile development methodologies and participated in sprint planning, daily stand-ups, and retrospectives.
- Implemented and maintained the CI/CD pipeline and utilized monitoring tools such as Grafana, or Prometheus for performance optimization.
- Worked with message queue systems such as Kafka.
- Worked with cloud platforms such as Linode and with containerization technologies such as Docker and Kubernetes.
- Implemented and maintained test-driven development (TDD) and unit testing frameworks.

Projects

POS System (Ongoing Project)

An offline Point of Sale (POS) system designed to support various types of sellers, including supermarkets and large enterprises. The system is scalable and customizable based on client needs.

Technologies Used: Electron (for the desktop application), NestJS (backend), SQLite (offline database).

BlaCarLeb: Carpooling and Transport on Demand

A mobile application built with Java and Firebase for the database, facilitating connection and communication between individuals for sharing transportation and parcel delivery services.

Education

Bachelor of Science in Computer Engineering – Lebanese International University, Lebanon

2017 - 2021

Languages

Arabic (Native); English (Fluent); French (Intermediate);