EMANUEL TRANDAFIR
SOFTWARE CRAFTSMAN

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SKILLS

- Java | JUnit | S.Q.L. | MongoDB | Kafka | SpringBoot | J.P.A. | Vaadin | JavaScript | Kotlin
- O.O.P. | F.P. | REST APIs | D.D.D. | B.D.D. | Clean Architecture | Vertical Slices| Event-Driven Architecture
- GitLab | Maven | CI/CD | Docker | Google Cloud | Kubernetes | Testcontainers | Grafana | Kibana

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PROFESSIONAL EXPERIENCE

Software Engineer | **BV Group** | **Gibraltar**   May 2021 – Present

- Developed event-driven microservices to aggregate real-time data from various sources and store it to Big Query for reporting and analytical purposes. *(Java, Kotlin, Kafka, Spring Events, Spring Reactor, Big Query, Firestore)*

- Recreated a part of a legacy web application, designed for managing promotional data. During the reconstruction, I prioritized the decomposition of UI-supported operations into small, cohesive, microservices. Engaging in direct dialogue with operators resulted in a profound grasp of the organizational business flows, and a consolidation of the domain model. *(BDD, DDD, REST APIs, Spring Security, Oracle, Mongo DB, Vaadin Framework)*

- Crafted comprehensive end-to-end tests, prioritizing system behavior over implementation details. Minimizing the reliance on mocks lead to substantial improvements in testability, deployment confidence, and maintainability. *(JUnit5, AssertJ, WireMock, Testcontainers, Docker, CI/CD)*

- Got involved in all stages of the development cycle: from designing, to development, review, testing, to deployment and monitoring. I maintained the CI/CD pipelines and used monitoring and alerting tools to ensure the proper functioning of the software. *(Google Cloud, Kubernetes, Grafana, Kibana, Gitlab, Maven)*

- Participated in code reviews and technical discussions, actively contributing to our technical culture, and enriching the toolsets for both the team and the organization. Participated at various conferences and events, sharing insights with my team.

Technical Writer | Baeldung, Medium | Remote   Jan 2022 – Present
- Authored numerous tutorials on Baeldung.com and my personal blog, covering topics such as unit testing, asynchronous programming, Java persistence, programming paradigms and best practices.

Software Developer | PSS – Prosoft Solutions | Bucharest, Romania   Oct 2017 – May 2021
- Engineered modular Java applications for a large retailer from Germany, integrating retail weighing scales with diverse hardware components. These applications offered a wide array of functionalities, including cash, card and phone payment processing, receipt printing, barcode scanning, and robust reporting capabilities. *(Java, OSGi Framework, REST APIs, H2, JavaScript, Angular, Python)*