Iulian Turcanu
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Technical Skills

Programming & Backend Development: Java, Scala, Python, Spring Boot, REST, Play Framework, JWT, Elasticsearch

Frontend Development: JavaScript, React, TypeScript, HTML, CSS, JSP, jQuery

Databases & Data Stores: PostgreSQL, MySQL, SQL, Firebase

Messaging & Event Streaming: Kafka, Solace

DevOps & Cloud Platforms: Docker, Kubernetes, AWS, Google Cloud, Linux, Jenkins, GitHub Actions, Bitbucket Pipelines, Bamboo, Mesos

Monitoring, APM & Visualization: Grafana, Datadog, OpenTelemetry, MS Power BI, R/Shiny

Version Control & Tools: Git, Maven, SBT, Postman

Operating Systems: Linux, macOS, Windows

Work Experience

Triton Digital | November 2023 – April 2025
Backend Software Developer – Ad Delivery
- Developed and maintained backend services in Scala, handling large-scale, high-availability Kafka topics.
- Designed and implemented Play Framework APIs for customer request validation and processing.
- Improved ad delivery efficiency with complex filtering logic
- Led OpenTelemetry integration to enhance observability
- Developed a custom mechanism to control metric tag cardinality in Grafana.
- Migrated existing monitoring setups from Datadog to Grafana.

Solace | November 2021 – September 2023
Full Stack Software Developer – Event Mesh Group
- Developed REST APIs in a microservices architecture using Spring Boot, Java, and MySQL.
- Built and deployed monitoring solutions with Datadog.
- Improved performance with OpenTelemetry tracing.
- Enhanced Jenkins CI/CD pipelines for better failure handling.
- Developed React UI solutions for a better user experience.

TrueContext (formerly ProntoForms) | May 2021 – November 2021
Backend Software Developer – Server Team
- Developed REST APIs for an enterprise web application in Java
- Designed and implemented secure APIs integrated with Google ReCAPTCHA V3.
- Built UI solutions with JSP and JavaScript/jQuery

Canadian Institutes of Health Research | January 2020 – August 2020
Junior Analyst – Funding Analytics
- Developed data processing scripts for analysis and visualization in R.
- Built R/Shiny dashboards for web-based data visualization.

● Emphasized storytelling in visualizations for better data interpretation.

Education

Algonquin College | Computer Programmer Diploma | GPA 3.72/4 | 2018-2020

State University of Medicine and Pharmacy, Moldova | Bachelor's of Health Sciences | 2009