



TIUTIUNIC NICHITA

SENIOR JAVA DEVELOPER

CONTACT

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CORE SKILLS

PROGRAMMING LANGUAGES

Java

Python 3

JavaScript ES6+

SQL

FRAMEWORKS & LIBRARIES

Spring Boot 2 / 3

Spring Security

Hibernate / JPA

Flask

React.js

DATABASES

PostgreSQL

MySQL

MongoDB

Redis

CLOUD & DEVOPS

AWS (EC2, S3, RDS)

Azure

Docker

Kubernetes

VCS Actions

CI/CD

APIS & MESSAGING

REST / OpenAPI

RabbitMQ

WebSocket

JWT / OAuth2

TESTING & TOOLS

JUnit 5

Mockito

Testcontainers

Postman

IntelliJ IDEA

JIRA

COMPUTER VISION

OpenCV

YOLOV3

Tesseract OCR

Ansible

SOFT SKILLS

Tech Leadership

System Design

Code Review

Mentoring

Stakeholder Comms

Problem-Solving

Agile / Scrum

LANGUAGES

Russian — Native

English — B2 Upper-Intermediate

Romanian — Elementary

EDUCATION

TIUTIUNIC NICHITA

SENIOR JAVA DEVELOPER · 5+ YEARS · MICROSERVICES · CLOUD

PROFESSIONAL SUMMARY

Senior Java Developer with 5+ years of experience building and shipping production backend systems across fintech, healthcare, education, and ad-tech. Proven track record leading cross-functional teams, architecting microservices from scratch, and driving measurable improvements in performance, reliability, and delivery velocity. Deep expertise in Java, Spring Boot 2/3, REST API design, and cloud-native infrastructure (AWS, Azure, Docker, Kubernetes). Comfortable owning full delivery cycles — from technical roadmapping and code reviews to production monitoring and team mentorship — with a consistent focus on pragmatic trade-offs, thorough testing, and high-quality outcomes.

EXPERIENCE

Thank You Token — Peer Recognition Module

Grid Dynamics SRL

Jun 2025 – Aug 2025

USA / Remote

SENIOR SOFTWARE ENGINEER

Peer-to-peer recognition module living inside InGrid: employees send tokens for outstanding contributions, balances and transfer history remain fully auditable, and the redemption flow is simple enough for daily use. Started from an empty repository — environments, architecture, and delivery pipelines were defined before any feature work, so onboarding new contributors mid-sprint stayed straightforward throughout the hiring push.

- Bootstrapped the module from zero: set up all environments, defined architecture, and configured end-to-end delivery pipelines before feature development began
- Implemented token issuance, transfer, and balance logic backed by an immutable audit trail in PostgreSQL
- Built the redemption and leaderboard interface fully integrated into the InGrid portal frontend
- Supported hiring, mentored engineers onboarded mid-sprint, and delivered a fully tested MVP within 6 weeks

Java

Spring Boot 3

PostgreSQL

Redis

REST API

Docker

VCS

JUnit 5

Testcontainers

InGrid Portal — Employee Skills & HR Dashboard

Grid Dynamics SRL

Mar 2025 – Jun 2025

USA / Remote

TEAM LEAD & ARCHITECT (TEAM OF 4)

Internal employee portal combining skill-based search, structured profiles, and HR analytics so managers can discover expertise, plan staffing, and review team capability with data instead of informal knowledge. CI/CD and core infrastructure were established from day one to ensure the product became part of everyday operations quickly — not another underused side project.

- Led architecture and end-to-end delivery: designed modular backend structure and set up core infrastructure and CI/CD pipelines from project kickoff
- Implemented skill-based search and employee profile management with dynamic filtering by tech stack, availability, and seniority level
- Integrated the portal with internal Active Directory and HR systems via REST; implemented SSO using OAuth2 for seamless unified access
- Mentored 2 junior engineers through regular code reviews, architecture sessions, and hands-on pair programming

Java

Spring Boot 3

OAuth2 / Azure AD

PostgreSQL

React.js

Docker

Kubernetes

RabbitMQ

WebSocket

SRP — Smart Resource Planning System

Grid Dynamics SRL

Aug 2024 – Mar 2025

USA / Remote

SENIOR SOFTWARE ENGINEER / TECH LEAD

Internal resource planning system that replaced spreadsheet-driven staffing with a governed, automated workflow: Google Sheets and corporate databases stay in sync, allocation rules are applied consistently, and team leads gain real-time utilisation visibility without manual reconciliation. Built for a distributed engineering organisation where fast and fair staffing decisions have a direct impact on delivery commitments.

- Architected the system end-to-end: designed data model, integration layer between Google Sheets and internal databases, and the core allocation engine
- Automated staff-to-project matching logic, reducing manual allocation overhead and giving team leads clear utilisation metrics for the first time
- Built REST API backend (Spring Boot 3) with role-based access control and a full audit log covering every allocation change
- Owned roadmap prioritisation and stakeholder communication; introduced VCS CI/CD and structured code review standards across the team

Java

Spring Boot 3

Google Sheets API

PostgreSQL

REST / OpenAPI

Docker

Kubernetes

VCS

Pearson ELL — English Language Learning Platform

Mar 2023 – Mar 2024

Amdaris SRL

EU / Remote

JAVA MIDDLE → SENIOR DEVELOPER

Long-running backend engagement on Pearson's English Language Learning platform: multi-tenant course delivery, structured lesson management, assessment engine, and learner progress analytics serving both students and teaching staff. Scale and seasonality — enrolment spikes and exam windows — drove pragmatic architectural choices including Redis caching, media offload to AWS S3, and real-time WebSocket channels where learner feedback needed to feel immediate.

- Implemented course and lesson management modules with robust multi-tenant data isolation per educational organisation
- Built the quiz and assessment engine supporting multiple question types, automated scoring, and complete result history per learner
- Integrated AWS S3 for lesson media storage and streaming; applied Redis caching to reduce API latency significantly under peak enrolment load
- Implemented real-time messaging between students and educators using WebSocket with STOMP protocol over Spring

Java

Spring Boot 3

PostgreSQL

Redis

WebSocket / STOMP

AWS S3

Docker

Kubernetes

JWT

PetCare — Veterinary Clinic Management Platform

Aug 2022 – Feb 2023

Amdaris SRL

EU — Moldova / Romania

JAVA MIDDLE DEVELOPER

Multi-clinic veterinary platform covering appointments and calendar management, lab order tracking, and structured animal EHR so vets and receptionists share a single reliable source of truth. Emphasis was placed on clear role separation and predictable workflows — busy clinics needed simple, consistent screens — with REST-based integration where external labs exchanged test results directly into patient records.

- Built the appointment booking module with calendar management, doctor availability tracking, and automated reminder notifications
- Implemented lab test ordering and result tracking workflow integrated with external laboratory systems over REST
- Designed the animal EHR data model covering full medical history, vaccinations, treatments, and lab results per patient
- Developed role-based access control (vets, receptionists, admins) and wrote unit + integration tests (JUnit 5 + Mockito)

Java

Spring Boot 2

PostgreSQL

REST API

Spring Security

Flyway

Docker

JUnit 5

Mockito

MortgageCore — Mortgage & Refinancing Engine

Sep 2021 – Jul 2022

Amdaris SRL

EU — Moldova / Romania

JAVA MIDDLE DEVELOPER

Backend for a banking programme handling mortgage origination and refinancing end-to-end: rate and amortisation calculations, eligibility rules, and traceable application state as a case moves through underwriting. Close collaboration with domain experts was essential to ensure numeric output remained regulator-friendly and explainable to operations and compliance teams.

- Developed the core calculation engine for loan amortisation, interest rate scenarios, and eligibility scoring across multiple product types
- Integrated with 3 external credit bureau APIs for automated applicant background and creditworthiness checks
- Built multi-step application workflow with status tracking, detailed audit logging, and safe rollback on validation failure
- Secured all APIs with Spring Security + JWT; wrote Flyway migrations and comprehensive integration tests using Testcontainers

Java

Spring Boot 2

Spring Security

PostgreSQL

MySQL

Flyway

JWT

Docker

Testcontainers

Spectors AI — Real-Time People Counting System

Feb 2020 – Aug 2021

Iello

EU — Moldova

JUNIOR JAVA DEVELOPER

Edge-aware computer vision stack: YOLOv3 and OpenCV count people in front of retail advertising displays, audience metrics stream to a Spring Boot backend, and creatives rotate dynamically when traffic patterns and cost rules justify it. The goal was robust operability in noisy, real-world lighting conditions rather than lab accuracy benchmarks — so the pipeline favoured reliable inference, observable failure modes, and graceful degradation at the edge.

- › Built YOLOv3/OpenCV pipeline for real-time people detection and accurate audience counting at physical advertising locations
- › Implemented ad-switching logic to dynamically select and rotate creatives based on live audience size and advertising cost parameters
- › Developed Spring Boot REST backend aggregating edge device metrics into a central analytics dashboard for campaign reporting
- › Containerised and deployed all edge components via Docker, enabling consistent rollouts across multiple physical locations

[Java](#)[Spring Boot 2](#)[Python 3](#)[OpenCV](#)[YOLOv3](#)[MySQL](#)[Docker](#)[REST API](#)

Sectors AI — Invoice Parsing Pipeline

Feb 2020 – Aug 2021

Iello

🌐 EU — Moldova

JUNIOR JAVA DEVELOPER

Automated invoice intake pipeline: Tesseract OCR extracts structured fields from scanned documents, while a Producer-Consumer architecture isolates client-specific parsers so throughput scales when large overnight batches arrive. Pre-processing quality and queue discipline were as important as the OCR model itself — malformed or low-quality scans are routine in production, and the service was designed to degrade gracefully rather than block the entire pipeline.

- › Implemented Tesseract OCR integration for automated extraction of structured data fields from varied client invoice formats
- › Designed Producer-Consumer architecture allowing each consumer to independently parse invoices for a specific client without coupling
- › Built a document ingestion queue capable of handling variable and bursty load without blocking the main processing pipeline
- › Improved OCR accuracy through image pre-processing techniques including normalisation and binarisation applied before recognition

[Java](#)[Spring Boot 2](#)[Python 3](#)[Tesseract OCR](#)[Producer-Consumer](#)[MySQL](#)[Docker](#)