

Backend-focused software engineer with 5+ years of experience building microservices in **Java, Kotlin, and Spring Boot** across banking, telecom, and payment-terminal platforms. Skilled in designing REST APIs, integrating third-party providers, and applying clean design patterns. Strong track record in automated testing (JUnit, Mockito) and end-to-end ownership of independent projects, from architecture through deployment on self-managed cloud infrastructure.

EXPERIENCE

Software Developer at SIBS, Bucharest

Sep 2023 – Present

- Designed and built a **Kotlin/Spring Boot** microservice wrapping a third-party HSM provider for creating, retrieving, and signing cryptographic keys and certificates.
- Built **LogVault**, a JavaScript/Bun microservice using WebSockets to collect and store log files from payment terminals in real time, plus a companion search-and-download UI with multi-field filtering.
- Built a cross-platform Python/Tkinter desktop tool (Windows/Linux) to search transaction response codes across single files, multiple files, or ZIP archives.
- Refactored legacy Android/Kotlin modules applying Chain of Responsibility and Singleton patterns; improved Jetpack Compose recomposition performance across multiple configuration screens.
- Added new features to the TMS (Terminal Management System) application, built with an Angular/TypeScript frontend and FastAPI/Python backend, including heartbeat monitoring, command communication, template versioning, physical terminal integrations, and parameter integration.

Java Software Developer at PwC, Bucharest

Mar 2023 – Sep 2023

- Built multiple microservices from scratch to provision and manage isolated workspaces handling concurrent user requests.
- Bound microservice environments to internal platforms such as Vault (secrets management) and Service Desk, among others, for secure configuration and workflow integration.
- Authored an automation testing framework from the ground up to safeguard inter-service communication and catch regressions before merge.

Junior Java Software Developer at Cognyte, Bucharest

Oct 2021 – Mar 2023

- Contributed to microservice and monolith systems, including CDS (large-scale file transfer across distributed file systems) and an OCR engine for multilingual product-label translation.
- Maintained over 80% code coverage across owned services.

Junior Java Software Developer at Thales, Bucharest

Jul 2021 – Oct 2021

- Developed data-processing software for satellite systems.
- Performed manual testing to verify code quality and catch defects before release.

Java Software Developer Intern at BearingPoint, Bucharest

Aug 2020 – Jul 2021

- Contributed features and bug fixes to **Abacus**, a banking platform, using Java, GWT/GXT, Maven, and Jenkins.
- Performed manual and automated testing to support release quality.

TECHNICAL SKILLS

Languages	Java, Kotlin, JavaScript, TypeScript, Python
Frameworks and Libraries	Spring Boot, Spring Security, Spring Retry, Android/Jetpack Compose, Django, Node.js/Express, React
Databases	PostgreSQL, MySQL, MongoDB, H2, SQLite, Room
Infra & Messaging	Docker, Kubernetes, Kafka, Redis, Tomcat, WildFly, Amazon S3
Testing	JUnit 4/5, Mockito, AssertJ, TestNG, Serenity, JMH
Tools	Maven, Gradle, Git, Jenkins, Jira, Confluence, Bitbucket Agile

PERSONAL PROJECTS

System Property Management (Undeployed)
Designed and built a property-management system based on microservices. Two frontend services: web-ui for end users (pay bills, create posts, update profile, track payment history via charts) and admin-web-ui for administrators (create/modify/delete users, export data as JSON/CSV/XLSX, import data in the same formats, track user payments and analytics via charts). Backend composed of five microservices: web-api, admin-web-api, auth-api, epay-api, and email-api. Technologies: React, JavaScript, Java 17/21, Spring Boot, Kafka, Spring Security, Spring Email, Redis, Redis-UI, JPA, PostgreSQL, and supporting libraries for both frontend and backend.

WeddingSpotter (weddingspotter.com)
Wedding-planning platform. React frontend, Spring Boot/Java backend, MySQL. Features a digital menu, QR-code check-in for guest confirmation and menu viewing, multiple table-arrangement layouts, guest list management, RSVP templates, and an expense tracker.

HolidaysMap (holidaysmap.com)
Public holiday API covering 195 countries with 40 years of data (1990–2030). React/TypeScript frontend, Bun/TypeScript backend, MongoDB. Supports multi-format responses (JSON, XML, CSV), in-browser API testing, and dashboards for request-volume and invoicing tracking.

Personal Page (robertbaltaru.space)
Personal portfolio site built with React, showcasing my projects, background, CV, and contact information.

WordsFlow (Undeployed, Testing Phase)
Gamified English vocabulary app with a global leaderboard, plus an idioms module structured as a hangman-style game. Built with React Native (TypeScript), NativeWind, offline-first storage via SQLite/Drizzle ORM, Supabase (PostgreSQL) for auth and sync.

DaLike (Unavailable)
Social-media manager platform for growing accounts (Instagram, TikTok, etc.). React/JavaScript frontend, Node.js/JavaScript backend.

Education	Languages	Additional
Devmind, Bucharest (2019 to 2020) Java Software Developer Trainee, Java & OOP	Romanian: Native English: Advanced	Driving license: B Interests: Technology, Travel, Gym and Nutrition
Univ. of Agronomic Sciences & Veterinary Medicine, Iași (2015 to 2019) B.Eng., Environmental & Consumer Protection		