

Ádám Porkoláb, PhD

Senior Full Stack Engineer — Java / Spring Boot / Angular

ap@aporkolab.com | Available upon request | <https://aporkolab.com> | Pécs, Hungary (Remote)
<https://linkedin.com/in/adamporkolab> | <https://github.com/APorkolab>

Senior Engineering Profile
(Public Version) Senior Full Stack Engineer specialized in distributed enterprise systems and resilience patterns (Java/Spring/Angular). Full details and technical portfolio available at aporkolab.com.

Senior Engineering Scope

Domain	Demonstrated Capability
Full Stack Ownership	Taking features from database to UI independently, navigating unfamiliar codebases
Distributed Systems	Event-driven patterns, IBM MQ, resilience (retry/circuit breaker/DLQ)
Legacy Stabilization	Refactoring undocumented systems under production pressure
Code Quality	Clean architecture, testable design, maintainability-first mindset
Remote Collaboration	Async-first workflows, written specs, international team coordination
Observability	Logging strategy, traceability, debugging distributed flows

Engineering Timeline

Senior Full Stack Developer (Java / Spring / Angular)
Számilázz.hu (KBOSS.hu Kft. — a Visma company)

Budapest, Hungary
(Hybrid)
2026 – present

- Developing and maintaining core services of the largest online invoicing platform in Hungary — market leader in the SME segment, high transaction volume.
- Implementing regulatory and tax validation logic against Hungarian invoicing and reporting requirements.
- Building integrations and APIs for partner and accounting systems.

Full Stack Developer (Java / Spring / Angular)
Deutsche Telekom

Remote (DE/HU)
2024 – 2025

- Built invoice processing system handling 13 EU countries with country-specific tax rules and validations.
- Implemented resilient microservices using Saga and Outbox patterns for high-availability.
- Refactored legacy monoliths into maintainable, domain-driven modules.
- Collaborated async with international teams to stabilize critical production flows.

Full Stack Developer (Java / JavaScript / Agile)
Games for Business

Pécs, Hungary
2023

- Designed and delivered scalable gamified learning platforms using Java and JavaScript, with additional PHP (Laminas) integration.
- Implemented CI/CD pipelines and optimized database query performance.

IT Specialist & Internal Tools Developer
Baranya County Police Headquarters

Pécs, Hungary
2021 – 2023

- Developed internal tools and automation scripts (Java, PHP) alongside a senior colleague.
- Maintained infrastructure in a high-security public sector environment.

Software Development Intern (Java/Spring)

InnoTeq

Pécs, Hungary

2021

- Gained foundational experience in enterprise Java (Spring Boot) and Angular architectures.
- Focused on object-oriented design patterns and clean code principles.

Researcher & Data Manager

University of Pécs

Pécs, Hungary

2007 – 2020

- Designed metadata schemas and structured datasets for large-scale linguistic analysis.
- Managed research archives and automated data processing workflows.

Tech Stack & Capabilities

Backend

- Java 21 & Spring Ecosystem (Boot, MVC, Data, Security)
- Distributed Systems & Event-Driven Architecture
- IBM MQ & Messaging Patterns
- Resilience Patterns (Circuit Breaker, Retry, DLQ, Outbox)
- Legacy System Stabilization & Refactoring
- Clean Architecture & Domain-Driven Design
- REST API Design & Documentation (OpenAPI/ Swagger)

Devops

- Docker & Container Orchestration
- CI/CD Pipeline Design (GitHub Actions, Jenkins)
- Google Cloud Platform (GCP)
- Linux System Administration

Writing

- Technical Documentation & Knowledge Architecture
- Architecture Decision Records (ADR) & Tech Blogging

Frontend

- Angular 14+ (TypeScript, RxJS, Signals, Standalone Components)
- Enterprise Component Architecture & State Management
- Responsive UI/UX Implementation
- REST API Integration & Error Handling

Methodology

- Async-First Remote Collaboration
- Testcontainers & Integration Testing
- Observability & Structured Logging

Education

PhD in Linguistics (Summa Cum Laude)

University of Pécs

2013 – 2018

- Structural analysis and cognitive systems. Focus on systematic pattern recognition.

Professional Software Engineering Certifications

Training 360 / StudiCore / OKTÁV

2019 – 2022

- Intensive training: Java Backend, Frontend Development, Computer Science fundamentals.

- Dual major program, completed with distinction.

Languages

- Hungarian (Native)
- English (C1 – Certified)
- German (B2 – Passive)

Interests

- **Speculative Fiction Author:** Exploring complex narrative architectures and futuristic systems. Published internationally.
- **System Design & Architecture:** Applying linguistic structuralism to software patterns, API design, and domain modeling.