Marek Gregor

SOFTWARE ARCHITECT
SOLUTION DESIGNER
TECH LEADER
SENIOR DEVELOPER

⊙ Žilina, Slovakia

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EDUCATION

Slovak Technical University

Faculty of Informatics and Information Technologies

2000 – 2006

Master of Science in Software Engineering

University awards

- Certificate for best paper in master degree program
- Dean's diploma - Scientific Conference, section Computer Systems and Networks
- Participation on the IEEE Computer Society Fifth Annual International Design Competition
- ACM CZ Student Research Competition 2004, certificate of achievement, 2nd place
- McKinsey & Company Scholarship

TRAINING

- Sun Certified Java Programmer
- UML OMG Certified Professional
- Kubernetes I Fundamentals and Cluster Operations
- Kubernetes II Installation, Configuration and Administration

PROFILE

With over 20 years of experience, I've grown from a Java expert to a solution architect, designing key systems for IT companies in the industry, energy and finance sectors. I'm driven by the opportunity to keep learning and contributing to impactful tech solutions. I am seeking a long-term contract that allows me to contribute to the architecture and design of the systems I will work on.

EXPERIENCE

Solution Design Architect, Java Technology Leader

Ipesoft, Slovakia   2016 – present

- Introduced enterprise Java expertise at Ipesoft, a leading Slovak IT provider for the energy and industrial sectors.
- Designed and implemented the core enterprise integration module for a long-term product.
- Served as Principal Architect and Integration Specialist for Slovak nationwide energy projects, including EDC (Energy Data Center) and ISFU (Centralized System for Electricity Invoice Exchange).
- Built an on-premise Kubernetes cluster to support the migration of long-term product to a containerized platform.
- Implemented energy APIs and connectors to nationwide energy systems (EPEX SPOT, MAVIR, BDEW AS4, OKTE, ČEPS) as well as Azure cloud services (Data Factory, Event Hub, …).
- Designed the company's internal UI framework based on React for building web interfaces and led the transformation from legacy Win32 UI to HTML5.
- Architected and implemented the company's product marketing portal and documentation portal.

Technology Leader, Senior Java Developer

Finamis (CPB Software), Slovakia, Austria   2006 – 2016

- Specialized in Java / Java EE development; later advanced to Technical Lead for the company's core Portfolio Asset Management System (AMS) in the finance sector.
- Designed and led the development of web and mobile frontends for core product.
- Implemented financial API integrations to providers such as Reuters and Bloomberg.
- Architected and delivered custom software solutions for clients across government, industry, and digital media sectors.

Languages

- English – fluent
- Slovak – native

Technical

- Java
- Jakarta EE / Spring Boot
- React & Web Development
- Kubernetes
- SQL
- Azure Cloud
- API standards
- Auth standards
- Web Security
- Mobile Apps Development

S K I L L S

- Client Communication & Consulting
- Requirements and Use Case Analysis
- Technical Specification Writing
- Application & System Architecture Design
- Technology Evaluation & Selection
- Leadership of Small "Surgical" Teams
- Solution Presentation & Client Workshops

P E R S O N A L I T Y

- Team player
- Open-minded
- Goal-oriented
- Meticulous
- Fast learning

E X P E R I E N C E

C++/C# Developer, .NET Technical Lead

Sfera, Slovakia   2002 – 2006

- Developed and maintained an in-house information system for companies in the industry and energy sector.
- Later led the migration and integration of legacy C/C++ codebase into the Microsoft .NET environment.
- Implemented application plug-ins for MicroStation CAD software and designed a dynamic forms engine architecture.

P R O J E C T S

D2000 Smart Web

Ipesoft   2016 – 2025

Architected and led the replacement of the legacy JSF solution in Ipesoft's core platform with a universal integration module serving as an API gateway and authentication server for web, mobile, and third-party systems. Over time, I evolved the module from a Java EE (WildFly) application to a Jakarta EE app with embedded libraries (Tomcat), and finally to a Spring Boot application. *Technologies: Jakarta EE, Eclipse MicroProfile, SpringBoot, CDI/SpringDI, JPA+JTA, REST API, Open API, OData, JSON Streaming, Comet/Websocket, PKI, OAuth2/OpenID Connect, Kerberos/SPNEGO, Open Telemetry, ...*

UI Modernization for Ipesoft Rich-Client Applications

Ipesoft   2019 – 2022

Envisioned, prototyped, and led an incremental UI modernization of Ipesoft's rich-client desktop applications in *React*. The project began by reimplementing UI dialogs in HTML5 using the Chromium Embedded Framework, with the vision of migrating the existing codebase into a standalone web application. Designed a modular architecture enabling component reuse as a company-wide framework for other web applications.

Energy Data Center (EDC)

OKTE   2023 – 2024

Co-architected EDC, Slovakia's nationwide system for energy aggregation and electricity sharing. Designed public APIs (SOAP, WS-Security, XMLDSig, mTLS), led technical specifications, and supported major energy distributors with integration. Developed a high-performance *Java* service for parallel data synchronization with existing OKTE systems.

Building on-premise cloud landing zone

Ipesoft   2025

Evaluated options for on-premise Kubernetes cluster for testing replatforming of core Ipesoft's platform D2000. Installed cluster based on *RKE2, MetalLB, Cillium CNI, CephFS* with supporting apps like *Harbor* and *CloudNativePG*. Developed simple *Helm* chart for internal deployment of product system processes.

Explore full portfolio of my projects online: https://datassin.com.