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Resume PDF

EDUCATION

Master Degree in Computer Engineering

LANGUAGES Ukrainian (Native)

Dutch (Basic)

Russian (Native) English (Fluent)

INTERESTS MMA/Kickboxing/Boxing Gym

Music & Cinema Reading

Travelling

ABOUT ME

I am a freelance Software Engineer with over twenty years of experience, specializing in developing scalable, cloud-based solutions across diverse industries including banking, automotive, hospitality, telecom, and agriculture. My expertise spans the entire software development lifecycle with a preference for Agile methodologies like Lean and XP. Throughout my career, I have successfully addressed technological challenges in both startups and large organizations, focusing on enhancing system functionalities and overhauling outdated architectures. I have steered teams towards achieving their goals and have been committed to supporting developers in their professional growth. My approach combines practical problem-solving with a commitment to sustainable software architecture, ensuring continuous improvement and the delivery of high-impact solutions.

EXPERIENCES

Technical Lead RTL, Hilversum - Netherlands

2023 - Present

2020 - 2022

2017 - 2020

2007 - 2008

2021 - 2021

Avanscoperta

As a Technical Lead at RTL, I faced the challenge of enhancing the architecture and codebase for content distribution and transformation. My team is responsible for managing content discovery, delivery, and playout across platforms like RTL News, RTL Boulevard, and Videoland. We cater to millions of users daily, ensuring that video content is efficiently processed and distributed to various platforms for both live streaming and video on demand. We also ensure that our users get the best experience by taking full ownership of the flow and resolving any issues via effective incident management.

- HTTP Live Streaming parser: F# implementation of HLS parser (RFC 8216) for Live to VoD (Video on Demand) flow.
- Media RSS Feed: Integration solution with cable companies like Ziggo and KPN to have discoverable content on user's TV set-up-boxes when they search for movie or
- Architecture Roadmap: Together with other architects developed a vision and plan on moving towards event-driven architecture for integrations. • Strategic DDD: Drove initiative for implementing strategic DDD with techniques like
- Event Storming, User Journey Map, and Context Map.

Technical Lead 2022 - 2023 Farmtrace, Boxmeer - Netherlands

At Farmtrace, my responsibilities include facilitating development teams, mentoring and coaching, and implementing best software development practices to maintain high-quality standards. Approximately 60-70% of my time is dedicated to coding, while the remainder is allocated for code reviews, documentation, educational sessions for developers, and business meetings. I actively participate in the design and development of new components and features, guiding the team to ensure they are equipped to handle ongoing maintenance and development independently. I am always ready to assist other teams that require support or advice, exemplifying my approach to teamwork and leadership.

- CI/CD: Created Azure DevOps pipelines, Terraform modules and related setup to
- release software on Azure platform in a fast manner. • Complex subdomain: Re-designed and re-implemented one of the complex modules that process data from farm system (FMS) into the Azure.
- Data Crawler: Developed reliable solution for data scraping with multi-tenant support and proxy rotation.

Lead Developer CM, Breda - Netherlands

As the lead developer at CM, my role involves reworking one of the core but legacy applications on our platform. This multi-tenant application handles the display of sent and

received messages across all communication channels and providers, featuring advanced filtering and searching capabilities. The primary challenge lies in managing the vast amount of data, which includes tens of billions of records spanning both transactional (OLTP) and analytical (OLAP) sources that need to be efficiently queried. We also face challenges in supporting a flexible security model and core features that allow the creation of specialized views with custom column setups. These views, which users can create independently, can be either private or shared. In this project, I employed a polyglot approach, utilizing Domain-Driven Design (DDD) for modeling the application's core logic and Dapper for efficient generation of dynamic SQL queries for content retrieval. Additionally, I enhanced our CI/CD pipeline to create Docker images with each release, which

are then published to a private registry and deployed to a Kubernetes cluster. • **Product Development**: Re-designed and modernized one of the core applications on

- the proprietary platform. Improved security and performance. Continuously improved solutions based on direct customer feedback. • Data Generator Tool: Applied F# and built on top of FsCheck CLI tool for generating
- massive amount of production-like data for testing our product. • Functional Microservice: Applied F# to build a background service for sedning e-
- mails that communicates with main application via ZeroMQ.

Senior Software Engineer

Amadeus IT Group, Breda - Netherlands

As a Senior Full-Stack Developer at Amadeus, my primary responsibility is to analyze business requirements and collaboratively devise effective solutions with my team. We are a self-organized, flat team capable of delivering comprehensive full-stack solutions—from frontend and back-end development, through CI/CD pipelines, to release in Azure and acceptance testing. Our main focus areas within the system are payments and financial flows. On the front-end, we use Angular 7 and NgRx reactive extensions, paired with C# for the backend, and leverage Azure DevOps pipelines for our CI/CD processes. We adopt a design-first and API-first approach and adhere to clean architecture principles wherever feasible. Additionally, as part of the production support team, our daily tasks include release

management, performance analysis, troubleshooting, monitoring, and incident management, with a close integration of Azure DevOps pipelines and Portal to ensure operational excellence. • Cloud SaaS for Hotels: Kept improving application by adding new features, fixing

- bugs and having ownership on our sub-domain. • Stand-by-shifts: Troubleshooting and improving the processes of incident management.
- Full Stack: Complete cycle from architecture vision to the front-end design.
- Software Architect and Lead Developer 2009 - 2017 CDM A/S, Vinnitsya - Ukraine

innovative products, helping teams to create effective architectures, reviewing the code and coaching.

As a Lead developer and Architect at CDM, I was tasked with the creation of various

• myhouse: A new portal designed for all individuals in Denmark connected to the housing sector. This platform is tailored to reflect the unique relationships of one's home and integrates personal connections.

- Tender Management System: An ASP.NET-based system dedicated to the efficient management of tenders.
- CDM License Suite: A comprehensive solution that facilitates license management within enterprise CRM systems and safeguards executables from hacking. • Import/Export Framework: Developed specifically for MS CRM 4.0, this framework
- supports the import and export of translations, including display strings, localized labels, and custom translations. • Replication Service (Exchange Interface Service): A two-way real-time replication
- system between MS Exchange 2007 Server and the enterprise CRM system, focusing on the replication of appointments, meetings, tasks, contacts, and more.

.NET Software Engineer 2008 - 2009 EPAM, Kyiv - Ukraine At EPAM I was involved in several .NET/C# projects, including

• CRM System for the Media Industry (CNN, BBC): I developed a segment of the system responsible for managing customer advertising and scheduling live broadcasts

on specified channels. This involved interaction with Java back-end code, GUI coding using DevExpress components for user controls, and main modules. Responsibilities included refactoring the data access layer using LINQ to SQL, implementing GUI validation logic, back-end coding, and performance optimization. • System for Meal Ordering: This system supports multiple suppliers, combines complex dishes, and features expense calculation and prediction, delivery time

monitoring, order history tracking, event notifications, and more. It consists of three parts: an ASP.NET application for placing orders, a WCF service that handles business logic, and a WPF application for administrative tasks. My role encompassed creating the back-end architecture, base classes, data access layer, and business layer, along with code refactoring, unit testing, and performance optimization.

Yellow Pages Ukraine, Kyiv - Ukraine I contributed to the support and development of the Yellow Pages enterprise system. My responsibilities included creating stored procedures, views, and triggers to enhance system

C++ Software Engineer

competitor data efficiently.

functionality. I also managed the export and import of data from various sources, incorporating necessary transformations and post-processing. Key tasks involved code

refactoring, generating reports, and addressing bugs. Additionally, I developed several specialized modules: • Rival Information Management and Analysis: Designed to manage and analyze

Pages directory under complex, agile conditions for CD distribution. • Notification System: Developed a system to alert company agents about key updates and information. • Designers Module: Created a module that transforms text information from the

database, related to customer advertising, into a formatted Microsoft Word template for

• Yellow Pages Directory Export Software: Crafted software for exporting the Yellow

graphical representation and printing. C++ Software Engineer 2006 - 2007 Valmi Automotive, Kyiv - Ukraine

I played a key role in the support and development of the ValSoft enterprise system. My responsibilities included the creation of stored procedures, views, and triggers to enhance system functionality. I also focused on adapting the enterprise system to align with business processes in other countries, including developing a localization module.

Significant achievements include:

• Leadership: I led the software development activities at the Moldova branch, guiding

• Code Refactoring and Maintenance: Engaged in code refactoring, creating reports, and bug-fixing to improve system reliability and performance. • File-Based Communication System: Developed a novel communication system to facilitate file-based data exchange between the Moldavian and Ukrainian enterprise

the team through various enhancements and maintenance tasks.

systems, ensuring seamless interoperability.

and setting up the local network infrastructure.

Lead Engineer 2005 - 2006 Donetsk City Bank, Krivyi Rih - Ukraine I was instrumental in setting up a local bank branch in Krivoy Rog. My responsibilities encompassed establishing communication with the main branch and implementing process

automation to enhance operational efficiency. Key tasks included scripting, configuring ATMs,

Additionally, I managed database backups and addressed various other operational concerns to ensure a robust and reliable banking service. • Engineering Lead of the local branch: I led the local branch of the parent bank entity

and kept IT department operating. Software Engineer 2002 - 2005

PJSC Pivdencombank, Krivyi Rih - Ukraine I developed software to automate the workflow of the deposit department. This software allows users to search for clients using specific criteria within the bank's database, and

supports editing, opening documents in MS Word templates, and printing. My responsibilities included developing the graphical user interface (GUI) and creating stored procedures. Additionally, I ensured seamless interaction with the automated banking system's API to integrate various functionalities effectively.

CERTIFICATIONS

Functional programming and domain-driven design might not seem to be a good match, but in fact functional programming can be an excellent approach to designing decoupled, reusable systems with a rich domain model.

Avanscoperta (20210422)

PROJECTS

Domain Modeling Made Functional Online Workshop

Lorem Ipsum Generator - An implementation of a simple Lorem ipsum generator that could be used in any .NET project. Lightweight Microservices with F# and ZeroMQ - A sample solution for an article from

SKILLS & PROFICIENCY DDD | CQRS | Event

F# Advent 2021. Solution consists of two projects: pub and sub which represents publisher and subscriber accordingly. Publisher randomly sends domain events: correct and incorrect,

Sourcing XP | Lean | Agile **Mentoring & Coaching**

Microservices | EDA |

Akka.NET

subscriber listens to it and validates.

