Mykhailo Chalyi (Mike Chaliy)

Application Architect

# Summary

* Having overall 10 years of working experience in building applications and solutions
* Main expertise in Microsoft .NET Framework especially in server-side development, strong skills in Enterprise Development Practices
* Good experience in coordinating both technical and non-technical project activities with team, contractors and customers.
* I have the ability of doing work with high confidence in quality; among quality metrics, my favorite are design, security and simplicity

# Contacts

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# Skills

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| Practices/Patterns | TDD, DDD, Agile, Integration Patterns, Enterprise Patterns, Security |
| Main Languages | C#, JavaScript, Java |
| Cloud | Amazon(AWS), Azure |
| DB | MSSQL, PostgreSQL(RDS), MongoDb |
| Web | JavaScript (ReactJS, ES6, etc), HTML5, XML, REST |
| .NET Technologies | ASP.NET, ASP.NET MVC, WCF, Entity Framework |
| Development Tools | Visual Studio, various xUnit and Mocking tools, GIT, Mercurial, MSBuild, NPM, Docker, etc |
| Industries | Human Capital Management, Healthcare, Inventory Management, Security, Market Research |

# Related Work Experience

## ELEKS Ltd., Lviv, Ukraine

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| 9/2014–present | Software Architect, Presale |

50+ presale projects ranging from small to medium size for various industries and using different technology stacks. Main industries are: Human Capital Management, Insurance, Digital. Main technology stacks are: .NET, Java, JavaScript. Main categories: enterprise strategic systems, enterprise services, applications, digital sites and installations.

* Non-functional requirements elicitation and quality attribute driven design(QADD)
* Solution design and architecture: context, logical and physical
* Technology stack selection, R&D activity
* Development strategies selection
* Rollout planning
* Initial project estimation, risk management
* Discovery phases – onsite analysis phase
* Presale communication and negation

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| 2/2015–7/2015 | APPLICATION ARCHITECT |

Web based Human Resource Management with North American Payroll. Full reimplementation of the system, including database reimplementation and optimization.

* On-site analysis phase: solution architecture, project estimation
* Project support as Delivery Architect
* Microservices architecture, integration with legacy code
* Used ASP.NET Web API, MSSQL, ReactJS

# Previous Work Expirience

## Axiomatics, Lviv, Ukraine

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| 6/2012–7/2014 | Lead Software Engineer |

The main task of this project was integration of the Axiomatics XACML support into MS SharePoint security subsystem. Solution was implemented as scalable ACL provisioning service.

* Design, implementation and presale of the solution
* SharePoint and .NET 3.5

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| 6/2012–7/2014 | Lead Software Engineer |

I was responsible for designing and implementing a .NET version of the Software Development Kit for the PEP.

* Design and implementation of the solution
* Used WCF, TPL, .NET 4.0, and Async I/O

## JustApplications, Kyiv, Ukraine

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| 2/2009–6/2012 | Senior Software Engineer |

The customer, a British company, required a solution for enhancing e-commerce. The application designed by our team was an inventory management system that allowed users to update stocks and synchronize with the most popular e-commerce vendors such as eBay and Amazon.

* Design and implementation of the solution
* Domain Driven Design (DDD), CQRS, Event Sourcing
* C#, F#, Java and JavaScript
* Used ASP.NET MVC, WCF, GWT, NHibernate, Microsoft SQL Server, RavenDB, .NET 4.0

## GlobalLogic, Kharkiv, Ukraine

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| 4/2007–2/2009 | Technical Expert |

During this period, I was part of the expert team assembled to provide consultations. We helped the project teams within our company resolve complicated technical issues and lent our expertise in many fields.

* Provide technical assistance for internal and external customers
* Held technical consultations for internal customers
* Performed technology evaluation on various projects
* Compiled technical solution for proposals
* Conducted preliminary estimating for proposals

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| 7/2008–2/2009 | Software Engineer |

Customer: TranSenda

System of several web-enabled applications to satisfy the needs of drug development pharmaceutical companies: managing client’s clinical trials; study budgets; providing users with insight into KPIs; unifying with the Microsoft Office System 2007 (SharePoint Services 3.0 and SharePoint Server 2007).

* Design and implementation SharePoint integration
* Developed the solution parts using C#, ASP.NET, WSS, and WCF

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| 5/2007–7/2008 | Software Engineer |

Customer: TranSenda

Clinical trial solution suite (CTSS). Web-enabled software suite that provided the functionality needed by a drug development company to manage their clinical trials. The CTSS solution was based on the customer’s business process manager platform, which was used as middleware for building the application server architecture.

* Development and participating in application design of the solution
* Performance assessments and implementation
* Used .NET 2.0 (C#), MS SQL Server 2005

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| 12/2006–5/2007 | Software Engineer |

Customer: GMI

The customer was a company that provided web-based marketing survey tools. Its InstantSurvey technology allowed organizations to gather online feedback from their customers, employees, and vendors. The main goal of the project was designing the system that would automate development of the custom data processing solutions.

* Design the core component and workflow engine
* Implementation pf workflow engine to automate EDT tasks
* Used .NET 1.1/2.0 (C#), MS SQL Server 2000/2005, XML, XSLT, and unit tests
* Customization of the solution according to the needs of customer clients such as Microsoft, Expedia, Macromedia, and more.

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| 6/2006–12/2006 | Software Engineer |

Internal website integration system for corporate websites: master data storage and management compatibles, master UI Kit, etc.

* Functional and non-functional requirements elicitation
* Design of the architecture for the system
* Development of the solution using C#, ASP.NET and MSSQL 2005
* Used .NET 2.0 (C#), MS SQL Server 2005, and unit tests.

## Various, Kharkiv, Ukraine

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| 2/2004–6/2006 | Software Engineer |

Customer: Nebula

Web-based office system. The developed solution provided compatibles for: editing rich text documents, spreadsheets, and databases; accessing the email; conducting Customer Relationship Management, aggregating search results from number of sources.

* Functional and non-functional requirements elicitation
* Design of the the architecture of the solution.
* Developed the solution parts using C#, ASP.NET, and MSSQL 2005.
* Managed the team of 2 members.

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| 3/2003–6/2004 | Software Engineer |

The customer needed a tool that would optimize management of hotel suites booking and enhance reporting. With its rich functionality, the application covered various aspects of managing and reporting activities.

* Analyze of functional and non-functional requirements
* Design of the solution
* Used WinForms, .NET, Crystal Reports, MSDE 2000, Macrovision InstallShield

# Courses

|  |  |
| --- | --- |
| Computing for Data Analysis | Online Coursera Course, mainly about R language |
| Statistical Learning | Online Stanford OpenEdX, basic theory about statistics |
| Machine Learning | Online Coursera Course, ML using Octave |
| Algorithms, Part I | Online Coursera Course |
| **Intro to Hadoop and MapReduce** | Udacity |
| https://d.adroll.com/cm/index/outhttps://d.adroll.com/cm/n/out **Introduction to Struts 2** | Pluralsight |
| Introduction to Versioning Environments with Vagrant | Pluralsight |
| Introduction to Microsoft Orleans | Pluralsight |
| Introduction to SAP Integration for .NET Developers | Pluralsight |
| Introduction to Spring MVC 4 | Pluralsight |
| OWASP Top 10 Web Application Security Risks for ASP.NET | Pluralsight |

# Language skills

* English - fluent technical communication. Objective level is upper-intermediate.
* Ukrainian, Russian – native communication

# Misc

* Founder and speaker of the Kiev ALT.NET
* Coding is my hobby: last pet projects using Python, NodeJS, Rust, etc
* OSS Developer, most active project is psget.net , https://github.com/chaliy/
* Currently living in Ukraine Lviv, but open for relocation
* Happy father of three children