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## Introduction

Hard working and dedicated architect and team leader with over 14 years of experience. Always eager to step up and take ownership of the product, explore new paths that ease development and increase correctness of the released software. Quick learner. Passionate about DDD, functional programming, types, and tests.

## Areas of expertise

### TEAM LEADING

- Proven in leading teams, overseeing priorities, keeping deadlines and pair programming. Research in non-technical aspects of team building and growth.

### SOFTWARE ARCHITECTURE

- Proficient in applying Domain Driven Design, applying layered architecture both to business and data-oriented applications. Test and Type Driven Development. Designing and maintaining fault tolerant systems. Data Lake and Data First system for enabling discovery and development of new ML models (forecasting, estimations, market classification)

### AZURE, DEVOPS, PRODUCTIONIZING MACHINE LEARNING SYSTEMS

- Productionizing ML oriented applications with Spark and Python. Continuous validation, model versioning, rollouts, and more. Experience in coordination of Data Science work for project from business and technical side. End to end ownership of Azure based infrastructure.
- Azure Certified Administrator

### SERVER-SIDE APPLICATION DEVELOPMENT AND WEB CRAWLING

- Experience with developing data processing and data gathering applications using actor model and functional programming

## Experience

### PRINCIPAL SYSTEM ARCHITECT (CONTRACTING) | THE MOTLEY FOOL | 10/2024 - NOW

- Architect and implementation specialist of content generation ecosystem based on LLMs for stock market related endeavors
- Built systems around monorepo which enabled fast time to market for all new AI based endeavours
- Designed fast and cheap Data Lake solution as alternative to Snowflake warehouse
- Built supplementary models based on available embeddings models in order to extract relevant and non relevant data as well as trends
- *Technologies: Python, AWS, Serverless, Terraform, LLMs*

### **R&D TEAM LEAD | ABB | 07/2013-09/2023**

- Served as R&D Team Lead for new Service Department

### **SENIOR SOFTWARE ARCHITECT AND TEAM LEADER | MAGNIFY LOGISTICS | 03/2022-06/2023**

- Modeled next generation relay system for real time Full Truck Load transportation solutions
- Troubleshot legacy system challenges and streamlined integration with Salesforce
- Guided the development team of 7 members, providing technical coaching and promoting best practices
- *Technologies: DDD, C#, K8S, Mobile, Leadership*

### **SENIOR SYSTEM ARCHITECT, TEAM LEADER | ATERIAN INC | 2015-2022**

- Ran daily operations, planning, budgets, hiring, for NASDAQ listed company
- Took over the research department and optimized all cost and data processing and gathering pipelines with F#, Python and Spark. Introduced functional programming to whole company while taking care of problems with data mining processes.
- Designed Data Lake structure and for ML forecasting usage by data science team
- Worked closely with Data Science team to integrate models into daily processing pipelines
- Improved quality of software developed and shared knowledge across multiple teams.
- Managed CI and CD using Azure Devops and E2E infrastructure and security using Terraform on Azure
- Coordinated architecture, planning, sprints, for a team of several people
- *Technologies: F#, C#, Python, Spark, DDD, K8S, Leadership*

### **SELF-EMPLOYED | BRILLANTE | 2010-NOW**

- *Technologies: C#, F# Asp.net Core, Symfony, Typescript, Akka.net, AWS, Azure, Ansible, DDD, Node.JS*

### **MIGRATION CONSULTANT | ESKY SP. Z.O.O | 2015**

- Participated in architecture design and migration plan for one of the biggest right search websites in Europe.
- *Technologies: PHP, Symfony2*

### **SENIOR SOFTWARE DEVELOPER | LEGUIDE GROUP | 2013-2015**

- Developed frontend-based solutions around SOA applications.
- Participated in software architecture development across multiple teams (frontend, backend, search, recommendation).
- *Technologies: C#, ASP.NET, Mono*

### **TECHNICAL LEAD | PLUMWILLOW INC | 2012-2013**

- Developed and maintained fashion website using Symfony2, MongoDB and Redis.
- Automating whole infrastructure on AWS with Chef.
- Evolved feed processing application written in Node.JS.
- *Technologies: PHP, Symfony2, Node.JS, MongoDb, AWS*

### **SENIOR SOFTWARE DEVELOPER | REDVERTISEMENT GMBH | 2011-2012**

- Working with one of the biggest advertising systems in Germany (Adaos) and coworking service mobilesuite.de.
- *Technologies: PHP*

### **SOFTWARE DEVELOPER | CREATIVESTYLE GMBH | 2006-2010**

- Leading development of multiple projects.
- Developing work tracking tool with dedicated desktop application.
- Worked across multiple various projects like price comparisons, social websites, invoicing, virtual money and payment systems.
- *Technologies: PHP, JavaScript*

## Skills

### C#/F#



[ASP.NET](#), Akka.Net, Entity Framework, XUnit, F# functional Rirst applications for data processing, highly concurrent in process systems, distributed programming with Actor Model

### ARCHITECTURE



TDD, BDD, CQRS, Functional programming, CI/CD, Strong Domain Driven Design, Data Lake and applications for ML usage

### PYTHON, PHP



Pyspark, ML pipelines  
Flask, Symfony for Web Applications

### SQL



Sql Server, PostgreSQL, MySQL

### FRONTEND



Typescript, Babel, Cycle.js, Node.JS, Jasmine, Jest

### DATA APPLICATIONS



Spark, Reactive streams, F# for data mining

### MESSAGING



RabbitMQ, Azure Storage, Event Hubs, Service Bus, ActiveMQ

### DEV OPS



Ansible, Chef, Azure, AWS, Bash, Powershell, Jenkins, Azure Devops

### SCALA/JAVA



Scala, Akka, Spring

## Education

**DEGREE IN SOFTWARE ENGINEERING, THE ACADEMY OF INFORMATION**

**TECHNOLOGY - LODZ, POLAND / BYDGOSZCZ, POLAND**

## Hobbies and interests

Functional programming (Haskell, Scala), physical therapy and movement, martial arts, Riction.