CV: Maxim Kudryavtsev

Solution Architect /
Lead Developer (.NET)

Contact data

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Name:        Maxim Kudryavtsev
Birthdate:   May 20, 1983
Email:       kudmax@gmail.com
Location:    St. Petersburg, Russia
Phone:       +7 (921) 584-5500
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Working background in brief

* 16 years of commercial software development
* Last 8 years on .NET platform (senior backend developer)
* Last 3.5 years with distributed systems and microservices (lead developer)
* ~1 year of technical leadership for 2 projects and teams of 10-20 people

Skills and working activities

Architect

* Have multiple commercial products built on my own or together with teams
* Different domains: e-commerce, trading, logistics, oil/gas industry, tourism
* Developed both standalone products and distributed systems
* Translate business goals to proper system design
* Reduce development cost by introducing more optimal strategies
* Achieve technical and operational advantages that benefit business on the market
* Love DDD as a tool to build common, unified and consistent product vision
* Utilize different organizational approaches and methodologies like OKR, Scrum,
  Kanban and their agile adaptations.

Tech lead

* Interview people and create teams
* Coordinate internal work within a team, participate and code myself
* Coordinate developmental work with other departments
* Negotiate high level APIs and contracts between collaborative teams and projects
* Sharing knowledge, technical tactics, patterns and tricks
* Mentor and motivate growing up developers to learn more and create cool products

<u>Senior developer</u>

* C#, .NET, .NET Core, ASP.NET
* Principles and patterns: SOLID, GRASP, DI, GoF, PoEAA, ... and many more
* Architectures: service oriented (SOA), event-driven (EDA), microservices, Sagas, Clean, Onion, Event Sourcing, Serverless
* DDD: wide experience in real projects
* Parallel calculations, concurrency, threads synchronization; async code
* Storing: MS SQL Server, ADO.NET, Dapper, LinqToDB, ClickHouse, Redis, Aerospike
* Messaging: RabbitMQ, Kafka, Azure Event Hubs, Azure Service Bus
* Test practices and patterns; BDD (Specflow)
* Memory/performance code optimizations
* Misc tools: Git, PowerShell, MSBuild, Consul, Vault, Nginx, ELK, Prometheus, Zabbix, Hangfire, Automapper, GitLab, Kibana, Grafana

Working experience

 Sletat (04.2019 - 02.2020) - Technical Lead / Solution Architect

Domain: Tourism, B2B & B2C solutions, search engines, dynamic tour packaging

Product 1: I guided two teams of 10-15 developers, was responsible for common architecture, designed and developed the heart of our platform for connecting new partners via API-gateways. Some product features:
  * Distributed engine for finding and combining different parts of tour packages including hotels, flights, tickets, transfers, insurances. All with highly customizable parameters.
  * 70-120 separate external integrations with partner companies. Done as a distributed system based on microservices, plugins and shared core approach. That gave us high and stable velocity in work on connecting new partners.
  * Integrations and data exchange with another internal services in company

Product 2 (developed by myself): Price tracking and analysis for tours on the market. Features:
  * Customer subscriptions for tour packages with selected parameters
  * Handling broadcasted price changing events, fast search matching tours
  * Background jobs for batch processing and workload distribution
  * Customizable email notifications for customers

Role and responsibilities: TechLead / Architect
  * Technically guiding three teams of 10-15 developers on different projects
  * System design, coding, making reviews, debugging, testing
  * Interview people, build teams, mentoring.

Technologies: ASP NET Core 3.1, MS SQL Server, Dapper, Kafka, RabbitMQ, Consul, Vault, Redis, Aerospike, ClickHouse, ELK, Prometheus, Zabbix, Hangfire, Automapper, Git, GitLab

The MySale Group (04.2017 - 04.2019) - Senior/Lead .NET Developer

Domain: e-commerce, marketplace platform, cloud-based web-shop constructor

Product: ~10 microservices in the cloud for data synchronization, exchange and reconciliation between three proprietary platforms in company and other external services outside. Developed by team of 2-5 people. Data exchanged through services
  * Products and SKUs (1.5 million SKUs online)
  * Orders ($700K - $2.5M per day revenue)
  * Prices, inventories, sales, images, ... and a lot more
  * 50K rpm average load

Technologies: C#, ASP.NET, Web API, WCF, ASMX, microservices, REST, DDD, Clean/Onion architecture, AWS and Azure clouds (EC2, S3, Service Bus, Event Hubs), NewRelic, Autofac, Polly, Dapper, SQL Server, Fluent Assertions, Octopus Deploy

The Recon Group (08.2016 - 12.2016) - Senior .NET Developer

Domain: e-commerce, logistics

Product (developed by myself): Market product reviews manager. Features:
  * Collecting product reviews from external web sites (Walmart, Amazon, etc.)
  * Admin web site for viewing and editing collected reviews
  * Uploading selected reviews onto company's proprietary web sites

Technologies: ASP.NET WebForms, NewRelic, Autofac, LinqToDB, SQL Server, NLog, ELK

KAPPA Engineering (11.2012 - 11.2015) - Senior .NET Developer

Domain: petroleum exploration, production industry, oil/gas fields analysis

Product 1 (developed by myself): Data loading module consuming different industry formats and integrated into company's other solutions. Some features:
  * Extendable plugin based manager for loading customers data from various sources having different types and schemas. Including databases, spreadsheets, specific industry formats
  * Pipeline architecture for internal ETL processes such as configurable data loading, sorting, filtering, merging and supplying data into other apps
  * UI wizard with saved steps, templates, data preview and editing mechanism
  * Automated loading workflows based on provided configurations

Product 2: Oil/gas fields performance analysis. Developed by team of 3-4 people
https://www.kappaeng.com/software/citrine/overview
  * Dedicated to unconventional resources where fields can contain 100s and 1000s of wells that produces vast arrays of analytical data
  * Contains scientific calculation models, plotting data on graphical charts

(technologies -->)

Technologies: C#, C++, WinForms, MVVM, DevExpress, Castle Windsor, NHibernate, ADO.NET, Log4Net, SpecFlow, Jenkins

Devexperts Ltd. (06.2007 - 11.2012) - .NET Developer

Domain: financial industry, stock trading, brokerage

Product: Back-office operator application for managing virtual markets and creating isolated trading platforms. Developed by team of 2-4 people
  * Over 300K trading accounts totally
  * Thousands of financial instruments
  * Brokerage functions
  * Tons of dynamically changed information such as quotes and market events
  * Beautiful calculational model implemented in reactive paradigm
  * White-labeling for many different product brands all over the world

Technologies: WinForms, MVVM, DevExpress, Reactive Extensions (Rx), P-Invoke, Unity, LinqToSql, TeamCity

NPP "System" (05.2004 - 09.2006) - Software Developer

Domain: naval simulators, graphics, geometry, mathematics.

Developed several software simulators, realistically resembling the behaviour and look of their hardware copies placed on real ships and submarines and used for vessel navigation.

Languages

English: Advanced (professional working proficiency)
Russian: Native