Oleksandr Karpinskyi

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Summary

Strong technical background as a developer, specializing on highload projects.

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15+ years of web development

• C#, ASP.NET, .NET, EF, dapper, …

• TypeScript, JavaScript, ReactJS, Angular

• Azure, AWS

• Microservices, event-driven architecture, SOA, Monolith

• DevOps, Docker, Kubernetes, TeamCity, Azure DevOps, GitHub Actions, Cake, Nuke

• MS SQL, Cassandra, Hadoop, Elastic Search

• Python, ML/AI

• Git

Language:
  • English (upper intermediate)
  • Ukrainian (native)
  • Russian (native)

Projects

DSP & SSP platform

Description:
Real-time advertising bidder. The highly distributed system that can handle hundreds of thousands of RPS. As a part of the system has been implemented a custom solution for cross datacenter replication (sql server data)
Avg response time: 15ms

Role: CTO
Responsibility: System design & implementation.
Technologies: c#, asp.net, sql server, Cassandra, elastic search, Hadoop, flume

Search engine with AI:

Description:
Custom search engine optimized for the specific domain model. AI part trying to identify the meaning of the request and extract intent and entities. This significantly improved search results and user experience.
Role: tech lead/architect
Team size: 20
Responsibility: System design & implementation.
Technologies:
c#, asp.net, python, elasticsearch, redis, aws

Analytics system 1 with AI with blazing speed performance

Description
The system aggregates and provides analysis from a dozen sources. Within this project has been implemented AI model that allowed the company to reduce the teams that had been working for data categorization and leave only 1 team.

Role: tech lead/architect
Team size: 7
Responsibility: System design & implementation.
Technologies: c#, asp.net, python, sql server, elastic search , aws

Analytics system 2

Description
Extremely fast search engine capabilities with the ability to calculate metrics in different dimensions.
Role: tech lead/architect
Team size: 7
Responsibility: Performance optimizations
Technologies: c# (unsafe code), asp.net core, sql server, elastic search, aws

Ecommerce platform:

Description
Shopify for developers. Create a store in a few seconds. Connect your front-end via rest API or graphql. App store within the platform.
Role: tech lead/architect
Team size: 8
Responsibility: System design & implementation.
Technologies: c#, asp.net, GraphQL, sql server, elastic search

Marketing automation platform:

Description
Give you the ability to find contacts from any company/industry and start an email or advertising campaign
Role: tech lead/architect
Team size: 6
Responsibility: System design & implementation.
Technologies: c#, asp.net core, python, spark, cassandra, postgresql

CRM system for wholesale

Simple and lightweight CRM for managing all client lifecycle
Role: tech lead/architect
Team size: 5
Responsibility: System design & implementation.
Technologies: c#, asp.net, sql server

LMS platform with AI, Messenger and Scheduling

Description:
Learning management system that dynamically generates personal quizzes.
All sensitive data are encrypted so event devops can't watch them even if they have access to the DB.
Just upload your content and the system will generate a huge amount of different type quizzes to ensure that you learned material from different angles.
There are a several modules within the platform that include:
- corporate messenger (chats within company),
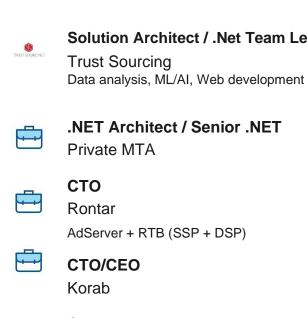- staff scheduling and management
- checklists
- video chat
Role: tech lead/architect
Team size: 10
Responsibility: System design & implementation.
Technologies: c#, asp.net core, sql server, python, aws

Experience

Lead Architect / Tech Lead   May 2020- Present
GlobalLogic

Solution Architect / .Net Team Lead
Trust Sourcing
Data analysis, ML/AI, Web development

Jan 2017- May 2020

.NET Architect / Senior .NET
Private MTA

Jun 2015 - Jan 2017
1 year 8 months

CTO
Rontar

Oct 2011 - Oct 2016
5 years 1 month

AdServer + RTB (SSP + DSP)

CTO/CEO
Korab

Feb 2009 - Mar 2012
3 years 2 months

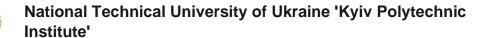### CTO
Be Loved

Jun 2007 - Mar 2012
4 years 10 months

Senior Software Developer
Korab

Jun 2007 - Feb 2009
1 year 9 months

Software Developer
Korab

Mar 2002 - Jun 2007
5 years 4 months

Education

National Technical University of Ukraine 'Kyiv Polytechnic Institute'
Master, Applied mathematics

2002 - 2008

Skills

C# • ASP.NET Core • Software Development • OOP • Design Patterns • Agile Methodologies • ReactJS • Cassandra • ElasticSearch • Git