Amirkhan Ismagilov – Software Development Engineer

**PROFESSIONAL SUMMARY**

Software development engineer with 10 years’ practical experience in the development of various business applications. Has strong background in backend technologies, including database and server-side development, including high security and performance systems. Has excellent experience providing Azure cloud-based solutions and integrations. Has deep understanding of customer support approaches such as - collecting claims, reviews and feature delivery. Has experience in front-end web development. Has strong hands-on experience in Agile software development methodology and Scrum framework. Has experience in leading a team of software development engineers – allocates and controls tasks, provides knowledge transfer. Enjoys researching new approaches to development and using new technologies.

**TECHNOLOGY SUMMARY**

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| --- | --- |
| **Project management** | Tasks planning, feature estimation, client and team communication, technical design, team management |
| **Languages:** | C#, T-SQL, PowerShell |
| **DBMS:** | MS SQL Server, Kusto Query, FireBird, Azure Sql, Cosmos DB, MongoDB |
| **Backend:** | ADO.NET, ASP.NET (Web Forms, MVC, WebApi, ASP.NET Core), WPF, Entity Framework |
| **Frontend:** | HTML5, CSS3, Angular, JavaScript, jQuery, knockout.js, Bootstrap |
| **Methodologies:** | Agile, Continuous Integration, Design patterns, Object-oriented programming, Unit testing, TDD, BDD, CQRS, SOLID, REST |
| **Version Control:** | Git, TFS, SVN |
| **Cloud Services:** | Azure Logic Apps, Azure SQL, Azure Vm, Azure Blobs, Azure Queues, Azure Tables, Azure Service Fabric, Azure App service, Azure Application Insights |
| **CI/CD:** | TeamCity, Octopus Deploy, Azure DevOps services |
| **Container Platform** | Docker |
| **Other** | Microsoft CRM including CRM Online , PowerApps platform, Power Automate flows |

**KEY TECHNICAL SKILLS**

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| --- |
| **Team management** |
| * Provide client communication to ensure all questions answer and correct requirements understanding, to keep all parties up-to-date with current state of the project, risks and accomplishments * Scheduling, leading team communication * Tasks, feature analysis and estimation |
| **C#, ASP.NET MVC** |
| * WPF and Web (ASP.NET MVC) applications development * Data access implementation (ADO.NET, Entity Framework, T-SQL) * SOAP and RESTful API development * Unit Testing (MSTest, NUnit, XUnit) |
| **DB: MSSQL, Firebird, Azure SQL, Cosmos DB, MongoDB** |
| * Designed complex, normalized schemas (20+ tables) * Created triggers, definition indexes and foreign key constraints for referential integrity * Created and optimized complex queries (multiple joins, sub queries, grouping, and transactions) |
| **JavaScript** |
| * Single-page apps development using Angular 2 * Procedural and OO JavaScript development * Interactive UI implementation (AJAX, JQuery, knockout.js) |
| **HTML5, CSS3** |
| * Complex selectors, pseudo-elements CSS development * Browser compatibility issues resolution * Creating markup prototype (Bootstrap 3) |
| **Development methodologies** |
| Agile, Continuous Integration, Object-oriented programming, SOLID, Design patterns, Unit testing |
| **TFS, Git, SVN** |
| **Azure**   * Cosmos Db support * Azure App Service * Azure Service Fabric deployment * Integration with Logic Apps flows * Developing scripts for PowerShell * Integration with Azure Tables, Queues, Blobs, KeyVaults through .NET SDK * Azure SQL profiling and tuning |
| **Monitoring**   * Kusto Logs * Azure Application Insights |
| **Docker**   * Azure Application Insights Docker files development for multi-stage builds of .NET Core applications * Installation and configuration of Docker Images |

**PROFESSIONAL EXPERIENCE**

**AKVELON-KAZAN LLC**

***Software Development Engineer***

*July 2020 – Present*

***MS AX COPS 24x7 Support***

Microsoft Dynamics AX is a multi-language and geo-distributed EPR with business management features for HR, management operations, financial monitoring. The goal of the project is to provide fast application response, high reliability. The system based on Microsoft technologies, such as C#, Azure Service Fabric, Docker, PowerShell, Cosmos DB.

**Personal results:**

* PowerShell scripts development
* Communication with external team
* Release process support
* Managing pull requests
* Team members mentoring and rump-up
* Microservices implementation via Azure Service Fabric
* Building containerized applications
* Customer support

**Development Environments:** C#, Azure Service Fabric, Lifecycle Services, PowerShell, Kusto Logs, Docker, Application Insights, Cosmos DB, Azure Data Explorer, ICM, Jarvis, Microsoft CRM including CRM Online, Azure App Service, ADO.NET

***Lead*** ***Software Development Engineer***

***Power Platform Connectors Team***

*November 2019 – July 2020*

Power Platform connector is a proxy or a wrapper around an API that allows the underlying service to talk to Microsoft Power Automate, Microsoft Power Apps, and Azure Logic Apps. It provides a way for users to connect their accounts and leverage a set of prebuilt actions and triggers to build their apps and workflows. Based on conjunction of such technologies as Swagger, C# web apps, Azure App Services.

**Personal results:**

* Investigation of high severity incidents
* Customer support via email and on-call
* Kusto logs analysis, queries
* Interacted with distributed team
* Feature development, such as new actions and triggers
* Connector bug fixing and troubleshooting
* WebApp performance tuning and analysis
* Implementation of PowerApps, LogicApps, PowerAutomate flows
* Integration with 3rd party public APIs such as Google, Office365, Twitter etc.

**Development Environments:** C#, Open API, IcM, Jarvis, Azure SQL, Kusto logs, Azure Data Explorer, LogicApps, API Management service, ADO.NET

***Software Development Engineer***

***Azure Dedicated Team***

*June 2019 – November 2019*

Series of .Net console applications and powershell modules that gather diagnostic data, perform validation, monitoring, issue alerting of Azure internal network configuration.

**Personal results:**

* Implemented/Fixed diagnostics logic
* Configured issues monitoring system for diagnostic runs
* Configured IcM alerting system for existing and new monitorings
* Interacted with distributed team

**Development Environments:** C#, PowerShell, Vs Code, IcM, Geneva monitoring

***Software Development Engineer***

***Indemand Interpreting platform***

*March 2019 – June 2019*

Complex cloud-based system that maintains remote audio/video communication in order to fulfill medical doctors/patient needs. With ability to provide real-live speech translation using interpreters. Backend side based on ASP.Net Core web applications. Data providers are built on MongoDb and Azure SQL. Distributed and high-scalable nature of this project based on Microsoft Orleans framework.

**Responsibilities:**

* Lead team of 6 software development engineers
* Gather requirement interacting with Client
* Plan, design, develop and implement solutions for tasks
* Participate in regular software development routines within a team
* Conduct code review
* Propose appropriate architectural solutions for the given problems and discussing them with them team
* Design and implement solutions, as well as integrating 3rd party solutions and libraries.
* Conduct candidate interviews on demand

**Personal results:**

* Grew up 3 software development engineers from junior to middle position
* Provided daily basis reports to Client
* Implemented REST API based on ASP.NET Core technologies.
* Implemented queries to MongoDb using .Net MongoDb driver.
* Developed various of SQL objects like: tables, views, stored procedures. (EF Core, EF Migrations)

* SQL performance profiling. Implementation of indexes architecture. (SSMS)
* Developed unit/integration tests using xUnit framework

**Development Environments:** C#, .NET Core, Entity Framework Core, Azure SQL, Azure DevOps, MongoDb driver, xUnit

***Software Development Engineer***

***Azure Inventory Team (Fleet Engineering Team)***

*April 2017 – March 2019*

The complex system for creating reports that reflect current system infrastructure state. Robust pipeline: from extracting to transforming and loading huge amount of statistical data – state of virtual machines, OS versions, security groups etc., which helps to monitor issues and prevent system failures.

**Personal results:**

**vCurrent version:**

* Implemented data loaders for new sources and data publishers to Kusto, Cosmos
* Integrated version control system with data publishers
* Added flexible and user-friendly system to configure and store configuration options for data loaders and publishers
* Developed database queries using LINQ, SQL, Kusto
* Developed unit tests (MSTest, NUnit)
* Resolved bugs and issues. And stabilized executing process
* Created and maintained Azure DevOps build pipelines and external integration tests pipelines
* Developed features for ICM tickets monitoring system

**vNext version:**

* Developed parts of new ETL (Extract\Transform\Load) architecture model
* Developed and maintained CI/CD processes with using TeamCity, Octopus, Azure DevOps
* Developed Kusto/Cosmos data comparison tool

**Development Environments:** C#, Entity Framework, ADO.NET, Windows Forms, MS SQL, T-SQL, KUSTO, Azure SQL, Azure Blobs, Azure Data Factory, Azure HDInsight, Hive

***Software Development Engineer***

***Analysis Services Web Wizard***

*March 2017 – April 2017*

Web application with robust and appealing UI, that allows users to start productively using Azure Analysis Services (AS) with zero initial knowledge about the service.

**Personal results:**

* Developed API for required Azure services provisioning
* Developed API to access AS model data, according to REST principles.

**Development Environments:** C#, .NET Framework, ASP.NET Web API, Azure SQL, Azure SQL Data Warehouse, Azure Analysis Services, Power BI

***Software Development Engineer***

***Akvelon Education Platform***

*February 2017 – March 2017*

Akvelon Education - single-page web application for simple and effective Education system to IT Companies, single developers. It provides education plan, monitoring tools, education tests etc.

**Personal results:**

* Development of web pages logic using angular 2
* Development of web pages markup using material design library

**Development Environments:** C#, .NET Framework, ASP.NET MVC, Angular2, Git

**MAXIMA**

***Software Development Engineer***

***Betting System Platform***

*November 2014 – December 2016*

Large distributed service-oriented system for processing bets, payments, client’s statistic, and sport events results. The system includes server app via C#, WPF clients, web-application, all of these parts communicate by Json messages. Database-side provided by MS SQL Server with complex transaction logic and lots of stored procedures.

**Personal results:**

* Designed complex, normalized Db scheme using MSSQL
* Designed and developed data access layer architecture using Entity Framework, ADO.NET
* Developed custom database queries using LINQ, T-SQL
* Developed server-side API using C# and Json serialization
* Developed views, triggers, stored procedures, and functions for databases using T-SQL and Firebird
* Developed desktop clients using WPF

**Development Environments:** C#, .NET Framework, MS SQL Server, Firebird RDMS, WPF, Git

**ETNA Software**

***Software Development Engineer***

***Trading System Platform***

*April 2013 – November 2014*

The main idea of the project was to create customizable and flexible trading platform that fulfills customer needs. It is a web application based on ASP.NET MVC and client side provided by html5, knockout.js. Also includes integrations with quote providers and order providers.

**Personal results:**

* Maintained html markup and interactive UI using bootstrap and knockout.js
* Developed integration with third-party APIs such as – payment systems and quote providers using ASP.NET MVC and Xml, Json serialization
* Implemented and tested financial portfolio metrics using ASP.NET MVC backend and MSTest, NUinit for testing

**Development Environments:** C#, .NET Framework, MS SQL Server, ASP.NET MVC, TFS, knockout.js

**Ingenius Systems**

***Software Development Engineer***

***Social networks oriented web sites***

*November 2011 – April 2013*

Series of similar web sites based on ASP.NET MVC with MS SQL Server database. Core features of this sites were based on close integration with social networks API (Facebook, Google+, Vk) – registration, authorization, posting messages and photos.

**Personal results:**

* Developed database schema using MSSQL
* Developed database queries using LINQ, T-SQL
* Developed data access layer using Entity Framework and ADO.NET
* Maintained html markup and interactive UI with JavaScript and JQuery
* Developed integration with third-party APIs such as – social networks and OAUTH providers using ASP.NET MVC and Xml, Json serialization
* Developed web application features on ASP.NET MVC and ASP.NET WebForms

**Development Environments:** C#, .NET Framework, ASP.NET MVC, MS SQL Server, GIT, SVN, JQuery

**Bars Group**

***Junior Software Developer***

***Enterprise Reporting System platform***

*July 2011 - November 2011*

The application provides functionality to create, adjust different types of reports and aggregate data. It uses company`s internal framework based on C# and MS Excel provider.

**Personal results:**

* Developed financial reports using custom framework based on C# and Excel provider
* Maintained internal web-site with statistical information using Json schema and csv data

**Development Environments:** C#, .NET Framework, Visual Studio, Excel, Git

**EDUCATION**

**Master’s degree, Mathematical methods in economics,**   
*Kazan (Volga Region) Federal University, Kazan,   
Russia Institute of Computer Mathematics and Information Technologies*