**ALEXANDER KOSORUKOV**

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**PROFILE**

* A creative and results-oriented Senior Software Developer with over 15 years of experience working with complex technology platforms and sophisticated data management applications.
* Microsoft Certified: Azure Fundamentals (AZ-900).
* Accomplished .Net Core/Web/Windows/C#/Angular/Typescript/React/JavaScript/AJAX developer with excellent communication, interpersonal, problem-solving and time management skills.
* Leadership experience – provided guidance, instructions to team (3 developers), user training.
* Strong understanding in the use of object-oriented methodologies for the analysis, design, implementation of business solutions with minimum of supervision.
* Excellent skills in debugging, design, development, testing and implementation of applications in various environments.
* Strong analytical and mathematical abilities.

**TECHNICAL SKILLS**

Technical: Proven experience in architecting and developing web and client–server applications with .NET Framework 4.8/4.5/4.0/3.5/2.0, Angular 19/18/17/14/8/4/2, Angular CLI (Command Line Interface), Angular Material, React 19/18, Node.js, SQL server. Front-End/Back-End development, application logic, WCF/REST services, Windows services, SQL stored procedures, ASP, Red Hat Linux, UNIX Korn Shell

Computer Language and Program Proficiency

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| * Angular 19/18/17/14/8/4/2 (10 years) | * Angular CLI (Command Line Interface) (10 years) | * Angular Material (10 years) |
| * Angular Bootstrap (7 years) | * React TS/JS (1 year) | * Redux Toolkit + TS template for Vite (1 year) |
| * Typescript (10 years) | * Node.js (10 years) | * JavaScript (20 years) |
| * jQuery (8 years) | * .NET Core 8 (2 years) | * RESTful service with ASP.NET Core (5 years) |
| * MongoDB (3 years) | * Web API (10 years) | * .NET Framework 4.8 – 2.0 (20 years) |
| * MS Visual Studio 2022 - 2005, (20 years) | * C# (20 years) | * REST API (10 years) |
| * WCF (10 years) | * Windows services (10 years) | * SignalR 2.0 (3 years) |
| * MVVM (10 years) | * MVC (10 years) | * MVP (1 year) |
| * AJAX (10 years) | * SQL (20 years) | * T-SQL (8 years) |
| * LINQ to SQL (6 years) | * LINQ to Entities (6 years) | * Oracle (4 years) |
| * PostgreSQL (8 years) | * DHTML/HTML5 (20 years) | * XML (20 years) |
| * Tailwind CSS (1 year) | * CSS (20 years) | * SCSS (10 years) |
| * ASP.NET (20 years) | * ADO.NET (10 years) | * C++ (6 years) |
| * Visual Basic (8 years) | * Microsoft VBA (10 years) | * Microsoft Enterprise Library 5.0 (1 year) |
| * IBM Rational Software Architect Designer (8 years) | * Red Hat Linux/UNIX Korn Shell (8 years) | * Jasmine framework (10 years) |
| * Karma test runner (10 years) | * SonarQube( 8 years) | * Kibana (0.5 year) |
| * Fluentd 1.0 (0.5 year) | * JIRA (8 years) | * GitHub (9 years) |
| * Confluence (8 years) |  |  |

Source Code Management: GitHub (9 years), SVN (2 years), TFS-Team Foundation Server 2012 (1 year), CVS (2 years), PVCS (8 years)

**EMPLOYMENT HISTORY**

**MERATIVE (formerly IBM Watson Health), Mississauga, Ontario, Canada July 2022 – Feb 2024**

**Senior Software Developer**

* Developed Log Forwarding operation to transfer data to the IBM Cloud® service endpoints based on Fluentd data collector; this provided an opportunity to analyze user’s activity in application through the Kibana data visualization tool.
* Created a Web API with ASP.NET Core and SQL Server.
* Created a Web API with ASP.NET Core and MongoDB.
* Implemented Services by using HttpClient module in Angular 19 for making the Web API calls and injecting data into required components.
* Created Angular components containing the code for creating Dicom secondary capture images.
* Implemented Angular Service to transfer Dicom secondary capture images to the server side.
* Created the code for Deformable Medical Image Registration to determine the lesion’s location more precisely in Dicom image series.
* Developed a design pattern and created the code to discover matching spots between the images in 2 different medical CT or MR image series.
* Converted the Angular 19 application with NgRx to React TS with Redux Toolkit + TS template for Vite
* Developed test cases for Angular Unit testing by using Jasmine and Karma.

**Environment:** Angular 19, React 19 TS, Redux Toolkit + TS template for Vite, Node.js 19, Typescript 5.8, JavaScript, jQuery, Ajax, .NET Core, SQL, HTML, XML, Tailwind CSS, SCSS, C#, MVC, IBM Cloud® service endpoints, Jasmine, Karma, SonarQube, Kibana, Fluentd 1.0 data collector.

**IBM, Mississauga, Ontario, Canada April 2016 – July 2022**

**Senior Software Developer**

* Responsible for Front-End UI development using HTML5, Typescript, Angular 14, Angular CLI and Back-End development using C#, MVC design pattern.
* Created and updated Angular components/directives/classes/libraries.
* Implemented Angular services using Observables to pass the values between Components.
* Used Dependency Injection to communicate between Components.
* Developed the code for Lesion Segmentation.
* Created Tracking Diagram for the lesions to have a graphical representation for the lesion’s evolution.
* Developed innovative design pattern and programmed the Tumor editing tool (Push Tool) which increased an accuracy of a tumor diagnosis.
* Created the code to add the new findings to the clinical studies.
* Developed design pattern and programmed the Crosshair control for the lesion re-measuring.
* Implemented the Web application installer.
* Created the projects that follow Agile Scrum Methodology which includes iteration application development and daily standup meetings.

**Environment:** Angular 14, Node.js 18, Typescript, JavaScript, jQuery, Ajax, SQL, HTML, XML, C#, MVC, Jasmine, Karma, SonarQube.

**MERGE HEALTHCARE, Mississauga, Ontario, Canada June 2015 – April 2016**

**Senior Software Developer**

* Responsible for Front-End and Back-End development for the Cardio Workstation and Cardio Web applications, UI interfaces, web forms, user controls, classes, business objects, jQuery, Ajax methods, SQL stored procedures.
* Developed code for communication between Cardio Web application and ICA Viewer application.
* Developed MSI Installer for Cardio Workstation and MSI TomTec Installer.
* Developed Merge screen saver.

**Environment:** JavaScript, jQuery, Ajax, SQL, HTML, XML, C#, C++.

**CANCER CARE GOVERNMENT AGENCY, Toronto, Ontario, Canada April 2014 – April 2015**

**Senior Programmer Analyst**

* Ontario Renal Reporting System (ORRS) - a provincial program that captures comparable data from all chronic kidney disease providers.
* Developed design pattern and programmed WCF Services, jQuery AJAX methods, User Interface using MVP design pattern, SignalR functionality, RDLC Excel/Word/PDF reports, user controls, web pages/master pages, classes, business objects, SQL stored procedures.

**Environment:** JavaScript, jQuery, Ajax, C#, SQL, DHTML, HTML, XML, SignalR 2.0, RDLC reports, Microsoft Enterprise Library 5.0, MVP.

**LOBLAW COMPANIES LIMITED, Brampton, Ontario, Canada June 2006 – April 2014**

**Senior Software Developer**

* Developed design pattern and programmed web sites: “Store Time, Attendance & Scheduling” (STAS), “HOP administration system”, “Labour Management”.
* Developed design pattern and programmed multi-threaded .NET TCP Server to integrate Loblaw Drug Store and South Huron Hospital Association.
* Developed WCF REST Services to integrate POS and SAP database for redemption process.
* Created a series of programs/procedures/UNIX scripts/FTP scripts/XML Parsers for trade transactions, promotions, reports for 1080 Canadian stores/superstores/pharmacies under the President’s Choice trademark.
* Wrote script for converting PostgreSQL database to Informix database in 400 stores nationwide.
* Major Responsibilities: web pages/master pages, classes, business objects, socket connections, new ASP.NET controls, AJAX methods, generic collections, Oracle stored procedures/packages.

**Environment:** JavaScript, C#, MS Visual Studio.NET/2010/2005, AJAX, Oracle databases 9i/10g, Informix 4gl, Korn-Shell, PostgreSQL, Java, Eclipse 3.2, Tomcat application server, PostgreSQL/Informix database servers.

**EDUCATION & PROFESSIONAL DEVELOPMENT**

**Master’s Degree in Aerospace Technology And Physics** • Moscow Institute of Physics and Technology State University (MIPT), Russia

**Microsoft Certified: Azure Fundamentals (AZ-900)** • Certification number: 04O907-87D498, December 18, 2023

**Microsoft Certified: Systems Administrator** • MCP MCSA, Certification number: 102308535, July 22, 2005

**Microsoft Certified: Professional** • MCP, Certification number: 102197507, April 8, 2005

**LINKS**

**LinkedIn:**

<https://www.linkedin.com/in/alexander-kosorukov-5b584283/>

**Portfolio:**

<https://akosorukov-2024.github.io/alexander-kosorukov-portfolio/>

**YouTube:**

<https://www.youtube.com/@Alexanderscodesamples-x4u>

**GitHub:**

<https://github.com/AKosorukov-2024>

**Codeproject :**

<https://www.codeproject.com/Articles/146017/AJAX-Extender-Control-Interaction-with-List-of-Con>

<https://www.codeproject.com/Articles/139626/AJAX-Extender-Control-with-Pop-up-Window>

**AWARDS**

**Merge Healthcare:** Memorable sign “Merge Cardio best in KLAS 2015/2016”

**Loblaw Companies Limited:** Badge “C” for the personal achievements