**Iurii Aksenov**

Denis Davydov street 1, pos. VNIISSOK, Moscow region, Russia

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| Mobile | | | Email | LinkedIn |
| 8-911-185-51-28 | | | [iurii.aksenov@yandex.ru](mailto:iurii.aksenov@yandex.ru) | <https://www.linkedin.com/in/iurii-aksenov/> |
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| **ABOUT** | | | | |
| I am a person with broad professional programming skills, able to work in a highly participatory team and independently. I quickly and willingly learn new technologies, and I am always open to new knowledge. I am able to quickly dive into new information and a professional environment. I have experience and skills in presenting various projects to both qualified and inexperienced audiences.  For a year and a half, I worked as a C # developer, where I gained experience in developing large systems. At the same time, I actively participated in various student startups, where I was engaged in backend development, database design and support, and application server administration.  As a result, I have experience in backend development of a large number of systems of various scales and specifics, and I will also be happy to gain new knowledge and skills. | | | | |
| **EDUCATION** | | | | |
| 1 September 2019 – today | **Master,** **Faculty of Computer Science, High School of Economics University, Moscow, Russia**   * Major: System and Software Engineering (English speaking program) | | | |
| 1 April – 31 September  2018 | **Exchange Student (Erasmus +), Technische Universität Darmstadt, Darmstadt, Germany**   * Major: Computer science | | | |
| 1 September 2015 – 30 June 2019 | **Bachelor, Information Systems and Programming School, ITMO University, Saint-Petersburg, Russia**   * Major: Information systems and technology * Diploma with honors, an average score of 4.97 out of 5.0 | | | |
| **WORK EXPERIENCE** | | | | |
| January 2018 – July 2019 | **C# developer, Speech Technology Centre, Saint-Petersburg, Russia**  **Interesting tasks:**   * writing unit tests; * understanding a large codebase and parsing a complex system architecture.   **Job duties**: creating components for a call recording and analysis system in call centers, writing unit tests, adding functionality to other components, and fixing bugs.  **Reason for leaving:** moving to Moscow to study for a master's program. | | | |
| **WORK EXPERIENCE IN STARTUPS** | | | | |
| Digital Coffee  September 2020 – today | **C# and Database Developer, Architect, Server Administrator, Moscow, Russia (remotely)**  **Focus:** an application for digitalizing the coffee buying process, increasing customers for coffee houses.  **Scale:** creating an MVP.  **Interesting tasks:**   * creating an action template for quickly creating an MVP back-end server; * writing a custom application routing system, which allows users to work in parallel with different screens with memorizing state when switching, integrating voice control into navigation.   **Job duties**: create a system architecture and developing a service, design, and support a database.  **Technologies**: ASP. Core 3.1, Flutter, Nginx, MsSql, EF Core, языки C#, T-SQL, Dart | | | |
| 1SSupport  February 2019 – today | **C# and Database Developer, Architect, Server Administrator, Saint-Petersburg, Russia (remotely)**  **Focus:** the portal for organizing technical support for 1C franchisees with integration with 1C CRM and a chatbot.  **Scale:** a pilot with a large 1C franchisee, collecting analytics for meetings to interact with new franchisees and connect their client.  **Interesting tasks:**   * code review of team members, planning and discussion of tasks; * studying 1C and creating integration with CRM, creating documents, interface; * integration with the proprietary messenger 1C:Connect via a named-pipe channel as an additional employee; * creation and change of architecture: went from a monolith to a service-oriented and then microservice architecture, saw the features of architectures, learned the power of erroneous decisions; * divide services into semantic domains by business demand; * fixed performance drawdown in database access; * creation of a reference module with a hierarchical structure, rules for adding, moving elements, moreover, one of the parts of the data is simultaneously located in several folders; * development of a bot rules, that consist of a large system of transitions, conditions, states, system responses; * development of a chat with a large number of participants, rules for writing and responding to messages in chats, and a notification system.   **Job duties**: the creation of architecture and services of the system (17 services in total), design, and support of the database. Development of a 1C extension for connecting the developed system and 1C CRM, as well as an extension for connecting a chatbot to a corporate messenger.  **Technology**: ASP.Core 3.1, Nginx, MsSql, EF Core, Redis, RabbitMQ, 1С, Vue, языки C#, T-SQL, JS | | | |
| 2Buttons  January 2018 – September 2018 | **C# and Database Developer, Architect, Server Administrator, Saint-Petersburg, Russia**  **Git:** [**https://github.com/2Buttons/2ButtonsServer**](https://github.com/2Buttons/2ButtonsServer)  **Focus**: a service to aggregate public opinion, population polls, social networks.  **Scale**: 11,000 users. It was closed due to monetization problems.  **Interesting tasks:**   * automatization of deployment to a server with the prescription of all the settings and versions using scripts in Bash; * I had to understand the Asp. Core and microservice architecture from scratch; * fixed performance drops when executing database queries.   **Job duties**: the creation of services for the operation of the system (7), server administration on the Ubuntu OS, writing scripts in Bash to automate deployment, design, and creation of a database for services.  **Technology**: ASP.Core 2.0, Nginx, MsSql, EF Core, языки C#, T-SQL, Bash | | | |
| **WORK EXPERIENCE IN RESEARCH PROJECTS** | | | | |
| Application of an automated approach for personalized support of clinical processes in medicine  February 2019 – June 2019 | | **C# and Database Developer, researcher, Saint-Petersburg, Russia**  **Focus:** application for personalizing medical processes.  **Scale:** a research project which resulted in the publication of several articles peer-reviewed in Scopus, VAK (ВАК), RSCI (РИНЦ).  **Interesting tasks:**   * transforming theoretical prediction system disease patients into a working model with applied patterns of finite automaton, memento, state, and others.   **Job duties**: server-side and project logic development, database design.  **Technology**: ASP.Core 2.2, MsSql, EF Core | | |
| **RELEVANT SKILLS & COURSES** | | | | |
| **Professional skills**  ASP. Core 3,1, EF Core, Dart Flutter, MsSql C#, T-SQL, Bash, HTML5, CSS3 | | | | |
| **Professional courses**   * Practical-courses (C#, git, TFS, Team-Working) by “Veeam Software Academy”   + Labs (1.WPF, 2.LINQ, 3 EF, 4 Multithreading, 5.WCF) <https://github.com/IuriiAksenov/CSharp_Interesting_Labs_From_Difficult_Courses>   + Graduation project «Amazon 2.0» - online store. <https://github.com/IuriiAksenov/MediaManager-MediaServerMongo>     - Job duties: the creation of a distributed transaction system, creation of a manager for media files with storage functions in a database of various types (SQL and NoSQL). Languages: C#. Technologies: Wpf, Entity Framework, MongoDB, MsSql, TFS * Practical-courses (C#, C++, OS, Algorithms, and Structures, Team-Working) by “Kronshtadt Technologies” * Web-programming (HTML, CSS) by «HTML Academy» * Methods and algorithms of graph theory by “Open Education” | | | | |
| **Languages**  Russian – native, English – advanced, intermediate, German - basic | | | | |