

Artyom Afanasov

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Russia, Saint Petersburg

ArtyomAfanasov

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Languages

Russian

English

Work Experience

now

03.2021 -.NET Software Engineer

Added the functionality "WhatsApp backup acquisition and decryption for the Android platform" to the Belkasoft X project (not all competing digital expertise companies have this functionality). My other duties: participation in the creation of new company projects, implementation of new backend functionality, software design discussion, backend code maintenance, code refactoring of different sizes, working with legacy code, fixing bugs in UI, code review. Projects are related to data acquisition and analysis from various devices and applications.

C# WPF MVVM reverse engineering DI sniffing Scrum

09.2019 -Junior .NET Developer 12.2019

KORUS Consulting CIS, Russia

Belkasoft, Russia

Worked with Electronic Data Interchange (EDI) on the main company project Esphere Courier, backend code maintenance, adding new functionality, refactoring web services.

C# TDD Dependency Injection TypeScript REST API

Internships

07.2019 -.NET Developer (Intern) 08.2019

KORUS Consulting CIS, Russia

Project for working with electronic signatures

Added functionality to enhance an electronic signature to an internal company project.

C# C library marshalling TDD.

Service Integration

Improved the interaction of a company project with the Jivosite API by adding processing of requests and responses from Jivosite API. C# reflection Dependency Injection MassTransit.

Education

Study

2017 – 2021 **Bachelor Studies** Saint Petersburg University, Russia

Software and Administration of Information Systems

Department of Software Engineering

Diploma with distinction

2006 – 2017 Secondary Gymnasium named after A. Green of the city of Kirov, Russia

education Graduated with distinction

Education

Online courses

Functional programming via Haskell Computer Science Center, Russia Main concepts of functional programming and Haskell.

Introduction to Linux Bioinformatics Institute, Russia

Basic concepts of Linux.

Forums & Schools

Moscow Institute of Physics and Technology, Russia 12.04.2021 - **Math and AI forum** 16.04.2021 A 5-day intensive forum filled with lectures and hands-on activities

on artificial intelligence

06.2018 SPBU Summer School Saint Petersburg University, Russia

Programming a neurointerface for computer control

Artyom Afanasov

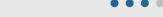
Skills

.NET

- C#

 MSTest
 - ▶ TPL
 - **▶** DI
 - Reflection
 - **₩** WPF
 - Exception Handling
 - CodeStyle
- ▶ F#

VCS



- git, TortoiseGit, GitLub, GitHub
- Databases
 - MsSQL, ORM
 - Amazon RDS
 - Microsoft Azure SQL Databases
- CI/CD

- ▶ TeamCity, Docker
- Software Design
- UML-diagrams
- Reverse engineering
 - neering
- Sniffing
- • •
- Wireshark, Fiddler, Burp Suite
- Assembler

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- Intel x86
- DSP C66x
- A Linux

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- bash tools, VM administration
- Jupyter-notebook
- (
- python
- pretty result via Markdown
- Cloud computing
- • •
- AWS
- Microsoft Azure
- Information Security
 - exploit tools, bash
 - virtual machine, network
- Java

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TypeScript

Jira

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About Me -

♥ IT, volleyball, calisthenic, piano, guitar

Projects

09.2020 – Graduation work. "WhatsApp backup acquisition and decryption for the Android platform" Closed source project.

09.2019 – Term paper. Implementing Asymmetric Marker processing on the C66x DSP

AMP (10.17587/prin.9.156-162) implementation on a specialized DSP C66x processor for communication with ARM. I have studied the architecture of the system on a chip EVMK2H , interaction with SoC through Code Composer Studio , the architecture of C66x DSP processor and assembly language DSP . And then I have implemented the layers of the AMP model in assembly language DSP. And my assembly language implementation turned out to be 1.7 times faster than the C implementation with the -O3 optimization.

02.2019 – Term paper. CI/CD pipeline configuration for a microservice architecture web application

During my term paper on the configuration of the CI/CD pipeline for the microservice architecture web application (my role in the project was DevOps) I have automated the entire pipeline (from committing to GitHub to running a microservice in the virual machine): commit, testing, building a docker-image, pushing the docker-image to DockerHub, connecting to a VM and creating a container. In this work I have used:

- Linux VM machines AWS and Microsoft Azure for hosting and database services
- TeamCity for pipeline configuration
- Docker for flexible delivery.

09.2018 - Term paper. Small multiplayer game

12.2018 A computer game that supports multiplayer. And as a developer, I do not need to set up a game server. Each player can be a server, thanks to Photon Unity Networking, therefore people can play anytime.

DiffMerge was used to prevent merge conflicts. Unity was a game

06.2018 SPBU summer project. Neurointerface for computer control
I have received data of electronic activity of the brain (P300 wave) us-

ing the EMOTIV EPOC neurointerface and SDK for neurointerface for $\ensuremath{\mathsf{C\#}}$.