

Alexander Chermenin

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I've been programming since about 8 years old. I came from humble beginnings, was writing my first programs using a long-forgotten language called G-BASIC, later QuickBasic, and then Delphi with all its delights of visual programming. Year after year, technologies were changing (there was a time when I was writing on C++, C#, Ruby, Scala, Haskell, sometimes PHP and more and more on Java), and that's not all. Today I'm actively learning and using a lot of Big Data tools in my work and even contributing to some of them.

Technical Skills

Likes: java scala kotlin apache-spark apache-flink apache-beam bigdata

Experience

Data Engineer – Wrike

Dec 2019 → Current

scala, apache-beam, google-bigquery, google-cloud-dataflow, google-cloud-pubsub, spotify-scio

Big Data Engineer – EPAM Systems

Sep 2016 → Dec 2019

java, scala, hadoop, mapreduce, hive, apache-spark, apache-flink

- Big Data course (including Hadoop, Hive, Spark and auxiliary things such as Oozie, Flume, HBase, Cassandra, etc.)
- contributing to Apache Flink open-source project
- implementing a competition platform to compare algorithms for identifying of rare diseases (using Apache Spark)
- processing for different kinds of logs using Logstash, Beats, Elasticsearch and Kibana
- implementing data processing pipelines with stateful streaming using Apache Spark on Scala and Python
- development of custom state store providers for Apache Spark (using RocksDB)
- implementing data processing pipelines in Kafka Streams

Principal Software Developer – Sberbank Technology

Jul 2015 → Sep 2016

java, spring, xslt, xml, xpression, xforms, tomcat, websphere, git, hadoop, apache-spark, scala, hive, bigdata

- web forms development using IBM Forms
- development of web services using Java with (and without) Spring
- big data processing using Java and Scala with Hadoop, Spark and Hive

Middle Java Developer – DartIT

Mar 2015 → Jun 2015

java, angularjs, spring, aop, oracle, weblogic, maven, intellij-idea, git, mercurial, jpa, hibernate, rest, servlets, mongodb

- development of web interfaces using AngularJS
- development of web services using Java with (and without) Spring and Hibernate
- deployment and support Apache Tomcat
- support for database Oracle

Java Developer – Pro IT

Sep 2014 → Mar 2015

java, angularjs, spring, aop, oracle, weblogic, maven, intellij-idea, git, mercurial, jpa, hibernate, rest, servlets, mongodb

- development of web interfaces using AngularJS
- development of web services using Java EE with Spring and Hibernate
- deployment and support Oracle WebLogic
- support for database Oracle

PHP / Java Developer – Prognoz*Jul 2013 → Sep 2014*

php, java, gwt, javascript, apache, tomcat, servlets, rest, objective-c, oracle, sql-server, websphere, angularjs, maven, intellij-idea, git, mercurial, svn, jpa, spring, hibernate

- web application development using Java and GWT
- development of web interfaces using AngularJS
- development of web services using Java EE with Spring and Hibernate
- development of web applications using PHP
- deployment and support Apache HTTP Server, Apache Tomcat
- deployment and support GlassFish Server
- deployment and support Oracle WebLogic
- support for database Oracle

Junior PHP / Java Developer – Prognoz*Jun 2010 → Jul 2012*

php, java, gwt, javascript, apache, tomcat, servlets, rest, objective-c, oracle, sql-server, websphere

- development of information-analytical systems and decision support systems using its own analytical complex Prognoz Platform and through third-party programming systems (Microsoft Visual Studio, XCode)
- development of monitoring services using Microsoft Visual Studio (C#)
- development of web interfaces using ASP.NET technology
- development of mobile applications for iPad using XCode (Objective-C)
- deployment and support of database Microsoft SQL Server 2008 R2, Oracle 11g
- installation and configuration of OS Red Hat, AIX
- deployment of IBM WebSphere and IBM InfoSphere MDM for PIM

Education**Engineer at specialty information system and technologies – Perm State Agricultural Academy***2008 → 2015*

pascal, freepascal, delphi, java, php, sql-server, active-directory, windows, windows-server-2008, autocad, c++, networking, security, gis, electronics

Projects & Interests**Stack Overflow** – <https://stackoverflow.com/users/4112031/alex-chermenin>*Oct 2014 → Current*

Written 26 answers. Active in java.

Kio – <https://github.com/chermenin/kio>*Jul 2020 → Current*

kotlin, apache-beam, batch-processing, streaming, bigdata

Kotlin extensions for Apache Beam

Spark States – <https://github.com/chermenin/spark-states>*Aug 2018 → Current*

scala, apache-spark, structured-streaming

Custom state store providers for Apache Spark

Apache Flink – <https://github.com/chermenin/flink>*Aug 2016 → Current*

java, scala, bigdata, apache-flink

Apache Flink is an open source stream processing framework with powerful stream- and batch-processing capabilities.

flink-siddhi – <https://github.com/chermenin/flink-siddhi>*Jul 2017 → Jan 2018*

java, scala, bigdata, apache-flink, flink-cep, complex-event-processing

A CEP library for Flink to run Siddhi within Apache Flink streaming application

Sberbank Open Data Dashboard – <https://github.com/chermenin/sberbank-opendata>*Sep 2017 → Sep 2017*

docker, ansible, elasticsearch, vagrant, kibana, logstash, apache-kafka

It is a sample to show how to process some data using Filebeat and Logstash and how to visualize that to get some information. The open data were downloaded from a Sberbank site. Also, Vagrant and Ansible are used for deploying and testing.

Sija Framework – <https://github.com/chermenin/sija>*Jul 2014 → Jan 2015*

php, json, activerecord, rest

Sija is an open source software implementation of some guidelines and small framework written in PHP to help quickly and easily create a simple REST-services and web applications using JSON API.

Author and developer

Sija Framework – <http://chermenin.github.io/sija/>
php, json, activerecord, rest

Jan 2015

Sija is an open source software implementation of some guidelines and small framework written in PHP to help quickly and easily create a simple REST-services and web applications.

Author and developer

Battery Mark for OS X – <https://itunes.apple.com/ru/app/battery-mark/id1022826698>
objective-c, core-plot, osx, xcode

Aug 2013

Battery mark is a great tool that allows you to evaluate overall status of a power system in your laptop and test it in the most extreme conditions.

Main features: - execution of quick testing to show battery ability during a time of discharge by 4-6% - full testing of laptop power system with displaying of a graph of discharge - the ability to run calculating process to make a full load of each processor core - simulation of a load on the disk subsystem, including reading and writing data - calculation of the final mark to compare laptops or batteries - making a report for use or research later

Author and developer

Imtec Battery Mark – <http://chermenin.ru/bmark/>
delphi, acpi, wmi

Aug 2009

Imtec Battery Mark is a powerful software solution that tests the laptop battery and helps you determine whether it needs to be replaced or not.

Author and developer

Tools

First Computer:	CCM Partner 01.01, Subor SB225-B, IBM PC-compatible (Celeron 500 / 32Mb / 9Gb / 4Mb 3D)
Favorite Editor:	IntelliJ IDEA, VS Code, Atom, nano, vim