Alexander Chermenin

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I began programming when I was about 8 years old. Started from small - wrote my first programs using long-forgotten language G-BASIC, later it was QuickBasic, and then Delphi with all charms of visual programming. Year by year, time passed, technologies were changing (there was a time when I was writing in C++, C#, Ruby, Scala, Haskell, PHP, and more and more Java), and this isn't all. Today I'm working with a lot of tools for Big Data processing (and taking a part in work on a couple of them).

Technical Skills

Likes: java scala spring hadoop apache-spark hive bigdata apache-flink

Experience

Big Data Engineer – EPAM Systems   *Sep 2016 → Current*
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

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

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

flink-siddhi – https://github.com/chermenin/flink-siddhi   *Jul 2017 → Current*
java, scala, bigdata, apache-flink, flink-cep, cep

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

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.

FreelanceHunt Messenger – https://bitbucket.org/chermenin/flh-messenger   *Nov 2014 → Current*
java, javafx, multithreading, dto, web-services

Client for FreelanceHunt web site using API.

Author and developer

Simple Java XML Server – https://bitbucket.org/chermenin/xml-server   *Nov 2014 → Current*
java, groovy, xml, jetty

This is implementation of a simple server for education.

Author and developer

Sija Framework – https://github.com/chermenin/sija   *Jul 2014 → Current*
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

Apps & Software

Sija Framework – http://chermenin.github.io/sija/   *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.

Author and developer

Battery Mark for OS X – https://itunes.apple.com/ru/app/battery-mark/id1022826698   *Aug 2013*
objective-c, core-plot, osx, xcode

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/   *Aug 2009*
delphi, acpi, wmi

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, Atom, nano, vim