Alexey Zlobin

E-mail: alexey.zlobin@cheatex.cc

Phone: +7 911 798 03 69

Skype: cheat_ex

Telegram: @cheatex

Education

Saint-Petersburg State Electrotechnical University «LETI», Faculty of computer technologies and informatics, department of mathematical supply.

Speciality: Applied Mathematics.

Qualification: engineer-mathematician.

Main skills

- Code digging and debugging
- DBs and storage design
- Network protocols design
- Performance evaluation and optimization
- Applying CS to real software

Experience

DellEMC, principal engineer, *Nov 2019 – Aug 2022*

Storage controlpath: control algorithms for storage allocation, replication, maintenance.

Support for industry standards.

REST endpoints for storage API and UI.

Tools and technologies: Java, Postgres, PostgREST, Jooq, protobuf, Docker, git.

JetBrains, senior developer, *Mar 2015 – Oct 2017*

Webapp backend: user profiles, authentication and authorization. CI/CD setup.

Maintenance of operational transformation server and client library. Update some UI code as necessary.

UI improvements.

Configure virtualization stack to allow clients safely run TensorFlow and Torch code on GPU.

Billing system.

Tools and technologies: Java, GWT, Spring, MyBatis, MySql, Docker, Ansible, Marathon, AWS, git, TeamCity.

Zalivka mobile, senior developer, *2013 - 2019*

Algorithmic research and demo with rigid character manipulation. Interaction design and actual app with full animation authoring. Integration components like video export, social sharing, ads support. Here is a simplified remake: https://play.google.com/store/apps/details?id=com.zalivka.director2

Design and implementation of inverse kinematics. Geometry tools for character designer. https://play.google.com/store/apps/details?id=com.zalivka.animation2

Tools and technologies: Android SDK, git, Google APIs.

GridGain, software architect, *May 2012 – Dec 2013*

Design and implementation of in-memory computing platform. Improvements in network layer; including communication and remoting libraries for Java and .NET.

Re-design of administration console to support new deployment scenarios and network configurations.

Part of in-memory HDFS and MongoDB emulators.

Tools and technologies: Java, VisualVM, Netty, ptotobuf, C#, Hadoop, HDFS, MongoDB.

E-Legion, software engineer, *Dec 2010 – May 2012*

Designed and implemented backend for a social browser plugin Goozzy; including protocol design, automated performance and functional testing, a hybrid storage based on MongoDB, Memcached and Kyoto Tycoon.

Built a prototype of UI test automation for Android.

Tools and technologies: Scala, Groovy, Python, F#, MongoDB, Kyoto, Memcache, HAProxy, Java, Android SDK, sbt, Jenkins, git.

EMC, software engineer, *June 2010 – Dec 2010*

Maintenance of testing system for hardware appliance RecoverPoint.

Tools and technologies: Java, BitKeeper, Bugzilla.

GGA Software Services, software engineer, *Sept 2009 – June 2010*

Maintenance of few ERP-like systems including UI and server.

Tools and technologies: Java, Spring, Hibernate, Resin, C#, SVN.

NICETU, software engineer, *Nov 2005 – Sept 2009*

Maintenance of industry scheduling and workflow planning system; maintenance of various legacy ERP kind systems.

Design and part of implementation for common desktop platform for analytical software.

Part of design and prototyping for federated storage system for analytical software. Including data formats, protocols, databases and few foreign connectivity components.

Tools and technologies: Java, Eclipse RCP, SWING, SWT, SOAP/WSDL, VSS, Jira.

References

Home page: https://cheatex.cc/

Stackoverflow: http://stackoverflow.com/users/599628/cheatex

Github: https://github.com/CheatEx

Online courses

Algorithms: Design and Analysis, Part 1
<https://www.coursera.org/course/algo>

Algorithms: Design and Analysis, Part 2
<https://www.coursera.org/course/algo2>

Logic: Language and Information 1
<https://www.coursera.org/course/logic1>

R Programming <https://www.coursera.org/course/logic1>

Geometry and groups
<https://courses.openedu.ru/courses/course-v1:mipt+GEOMGR+fall_2018>

Heterogeneous Parallel Programming (not completed)
<https://www.coursera.org/course/hetero>

Introduction to Databases (not completed)
<https://www.coursera.org/course/db>