



Zentaly

Big Data, High Load and Complex Enterprise
software solutions to empower your business

What is Zentaly?

Zentaly is a team of professionals specializing in complex areas of Big Data, High Load, Distributed Cloud Systems and Enterprise solutions. Wide range of experience and know how let us lead the project in planned time and materials to build expected business result.

We provide following services:

- Analysis of existing systems in order to determinate its weak parts and propose improvement scenario
- Analysis of business and technical requirements in order to propose an optimal technical solution
- Architecture design for whole system or its critical parts
- Developing of prototypes for complex tasks - proof of concept
- Writing technical documentation
- Software development
- Running meetings as well as knowledge transfer sessions in order to discuss details that satisfy clients requirements
- Supporting and mentoring client's development team
- Building software development delivery lifecycle

Experts

Zentaly team is a team of experienced software engineers with a background in finance, advertising, telecom, gambling.

We are self motivated experienced team of professionals that may offer following people and their expertise:

- **Software architect**

Expert in enterprise application development with strong focus on fault tolerant high performance distributed cloud systems. Designed from ground up solutions for companies in retail sector, supply management, e-commerce, investment bank and online advertising areas.

- **Business analyst with financial background**

Order Management Systems (OMS)

Algorithmic trading platforms development

Development of new trading tools based on vendors' APIs

Development of market making/arbitrage/spread trading algos

Development of execution algos

- **6 Senior Software developers with more then 10 years of professional experience**

Java Core/Java EE (Spring, EJB, JPA, JMS, JAX-WS, JAX-RS) Scala (akka, spray, Slick)

RDBMS (Oracle, PostgreSQL, Sybase) and NoSQL (Mongo, Redis)

Front-end (HTML, CSS, jQuery, Angular)

BigData



What we are really good at?

Big Data

We provide complete implementation life cycle starting from analyzing business requirements to building architecture design and delivering working product. With our Big Data expertise it is possible to do complete project from ground up or fill some specific knowledge gaps in yours existing team knowledge.

- Languages: Java, Scala, Python
- Big Data ecosystem: Hadoop, HDFS, Map Reduce, Cloudera Hadoop Distributive
- Hadoop frameworks: Spark, Hive, Pig, Hbase, Oozie
- Realtime processing: Spark Streaming, Flume
- NoSql databases: Cassandra, MongoDB, Redis, Aerospike
- Cloud infrastructure: Amazon AWS, Digital Ocean

High Load

Zentaly provides comprehensive expertise in High Load system design and architecture. Solutions we built for our clients are high performance, fault tolerant, distributed by design and ready for cloud out of the box. Our experts spent years sharpening their skills in High Load projects ranging from world top investment banks to realtime advertisement markets, so we have strong believe that it is one of the most skilful expertise Zentaly could offer.

- Languages: Java, Scala, Lua
- Web servers: Spray, Jetty, Tomcat, Nginx, WebLogic, JBoss
- Frameworks: Spring, Juice, J2EE, Slick, Hibernate
- Message queues: Kaffka, ZeroMQ, ActiveMQ, Amazon SQS
- NoSql databases: Cassandra, MongoDB, Redis, Aerospike
- Cloud infrastructure: Amazon AWS, Digital Ocean

What we are really good at?

Complex Enterprise Solutions

Our experts provides service of different level of complexity to enterprises mainly focusing of the following technologies and solutions.

- Languages: Java, Scala, Groovy
- Databases: Oracle, PostgreSQL, MySQL
- Messaging: RabbitMQ, Tibco EMS, Kafka
- Java EE Servers: Weblogic, Jboss
- Web Services: SOAP, REST
- Continuous Integration: Jenkins, TeamCity, uDeploy
- Cloud infrastructure: Amazon AWS
- Front-end: HTML, CSS, JavaScript, Angular

We proud of our work

Real time advertisement auction

Optimizing of advertisers and publishers clients revenue in terms of advertising inventory sold. The key idea is to offer advertisement via auction to multiple potential advertisers and sell one who provides better bid.

System requirements: 20k requests per second per server; Linear scalability; Asynchronous and reactive design; Low latency response < 50ms

Technologies Stack: Scala, Akka, Spray, Aerospike, Slick

Big Data platform

Project requirement was to consolidate all sources and build comprehensive BigData platform capable to process high volumes of data simply and efficiently.

System requirements: Terabytes of data processed daily, Linear scalability, Unified fully fledged architecture to correspond multiple business areas.

Technologies Stack: Scala, Hadoop, Spark, Flume, Slick

Supply-side advertisement platform

High load project - Supply-side platform that allows web publishers and advertisers manage their advertising space inventory, fill it with ads and receive revenue.

System requirements: 20k requests per second per server; Linear scalability; Fast lookup inside inventory of 1m creatives; Low latency response < 50ms

Technologies Stack: Java, Jetty, Redis, Lua. Chronicle, Protobuf

We proud of our work

Personal Data Control platform in scope of GDPR

Design and creating solution for managing of personal financial data for BigData platform

Technologies Stack: Scala, HDFS, HIVE, PostgreSQL, RabbitMQ, Angular

Trade Processing platform

Developing of trade processing platform for investment bank

Technologies Stack: Java, JMS, Oracle, WebLogic

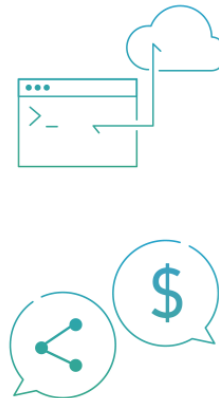
How do we work?

Estimations

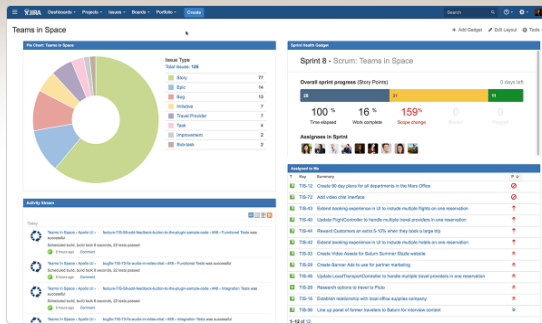
Zentaly is a consulting company oriented on a business growth of its client. Therefore we are ready to discuss ways of cooperation in order to satisfy clients' business needs.

Usually we provide the certain working plan with a list of task and time frames when the job gets done. Also we charge our clients for only productive hours that are spent on developing application etc. That plan is discussed with a client in advance if need to be so we can explain why we do this and what is going to be done after each phase.

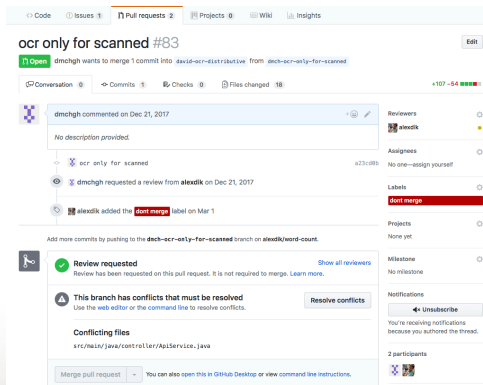
Dev Team							
Vlasenko Yuri							
Chaplai Dmytro							
Stories	Tasks	hours	Development schedule/Calendar weeks				
Preparation	review project sturture	4	█				
	setup style processor, add styles	4	█				
creating CSS for the main controls and apply it on a few screens with a wide number of elements	Login Scéen	4	█				
	Main Window Layout	8	█	█			
	Grids	16	█	█			
	Buttons	2		█			
	Naviation Panel	4		█			
	Input Elements (edit box, radio button, check box, drop down)	6		█			
	Pickup List	4		█			
	Popup Windows/Messages	8		█			
	Applying styles to all screens across the application and enchainments for the particular screens if needed	24				█	█
Handling Feed back from the Customer/Enchainments/Bug Fixes	16				█	█	



Scrum & Maximum Transparency



- Scrum is an iterative and incremental framework for managing product development. It defines a flexible, holistic product development strategy where a development team works as a unit to reach a common goal.
- A key principle of Scrum is the dual recognition that customers will change their minds about what they want or need (often called requirements volatility) and that there will be unpredictable challenges—for which a predictive or planned approach is not suited. As such, Scrum adopts an evidence-based empirical approach — accepting that the problem cannot be fully understood or defined up front, and instead focusing on how to maximize the team's ability to deliver quickly, to respond to emerging requirements, and to adapt to evolving technologies and changes in market conditions.



Our Clients



A close-up photograph of a red brick wall with grey mortar joints. The bricks are arranged in a standard running bond pattern. The lighting is slightly darker in the center, creating a subtle vignette effect.

Contacts

<http://zenty.com>
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