ARTEM ZABORSKIY

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Artem is a Java/Web developer who will always appreciate how IT and science makes the world better. Artem has strong skills in server-side development, UI/UXD, data visualization and analysis, machine learning and predictive analytics.

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SKILLS

TECHNOLOGIES

Hibernate · Java · Spring Framework · PostgreSQL · ehCache · Liquibase · JUnit · Spring Security · AngularJS · CSS · JavaScript · Servlets/JSP · GWT · Lucene · SCSS · Spring Boot · LESS · Dozer mapper · DBUnit · Mockito · JDBC · JEE · WSDL · iText · Python · Spring Social · Bootstrap · Bootstrap-4 · Google Analytics API · jQuery · Ajax · Applets · XML · XSLT · SWING · AWT · C++ · JNI · JSF · RichFaces · Axis · CXF · XFire · Compass Search · EclipseLink · JPA · Hibernate Search · SmartGWT · Android API

PLATFORMS

Tomcat · GitHub · SonarQube · Heroku · TensorFlow · Android · Linux · Apache · MySQL · WebLogic · Oracle · Resin · OC4J

TOOLS

Maven · Eclipse · git · Jira · Sonar · Confluence · Jenkins · SVN · iPython · TensorBoard · TeamCity · Perforce · MS Project · ClearCase · Clear DDTS · Checkstyle · FindBugs · Hudson · SoapUI · Bamboo · Cruise control · Ant · Track · Spring Roo · Gradle · Android Studio

PARADIGMS

REST · AOP · OOP · SDLC · Open Source · Neural Networks · NN · Deep Learning · CNN · TDD · BDD · Social Networking · Big Data · Data Visualization · Petri net · AI · Machine Learning · Web Services · ESB · SOA · EIP · IoC · CI

EDUCATION

ST. PETERSBURG STATE UNIVERSITY OF ARCHITECTURE AND CIVIL ENGINEERING

FACULTY — Architecture

SPECIALITY — Architect

ST. PETERSBURG STATE UNIVERSITY

FACULTY — Faculty of Mathematics and Mechanics

SPECIALITY — Mathematics, Computer Science

ST. PETERSBURG PHYSICS & MATHEMATICS LYCEUM(FORMER SCHOOL 239)

SPECIALITY — Mathematics, Physics, Programming

ACTIVITIES — Computer Graphics, Artificial Intelligence

WORK EXPERIENCE

SOFTWARE ENGINEER
@ KESTRELTECHNOLOGY.COM (VIA TOPTAL)

PROJECT	kestreltechnology.com Static C code analyser
TEAM SIZE	1 - 3
PROCESS	Agile
TECHNOLOGIES	SCSS ehCache SonarQube
TOOLS	Eclipse git Maven
PLATFORMS	SonarQube

2015, DEC — 2016, AUG

SOFTWARE ENGINEER
@ AZ

FEATURED

PROJECT	A deep convolutional neural network based system for image deblurring, denoise and removal of jpeg artifacts
TECHNOLOGIES	Python Java TensorFlow
TOOLS	iPython git Eclipse TensorBoard
PLATFORMS	TensorFlow GitHub
PARADIGMS	NN Deep Learning CNN

2015, AUG — 2016, JAN

SOFTWARE ENGINEER - ANALYTICS @ADAMMATIC.COM
(VIA TOPTAL)

PROJECT	adammatic.com Adammatic is an analytics tool to track how TV advertising impacts websites traffic.
TEAM SIZE	1 - 3
PROCESS	Agile

Created the MVP for adammatic.com from scratch, both front- and back-ends. The server side was made with Java and Spring Boot, Spring Security, Hibernate, and PosgreSQL. Heroku was used as staging environment, and GitHub for versioning.;

Created customer login (including login with Facebook and Twitter) and registration flows.;

Developed services for fetching website traffic statistics via Google Analytics API, and correlating the traffic data with TV ads airings times logs.;

Built the responsive UI with AngularJS, Bootstrap 4, and SCSS. Developed the dashboard for displaying charts, graphs, and other analytics-related widgets like (1) Which TV networks are driving the MOST visitors, (2) The best Days and Times to run commercials, (3) Leads - Conversions - Cost Per Visitor;

Created the admin tool.

REFERENCE

http://app.adammatic.com/login

TECHNOLOGIES

Spring Boot   Spring Social   Spring Security   Hibernate

ehCache   AngularJS   LESS   SCSS   Bootstrap

Bootstrap-4   Liquibase   PostgreSQL

Google Analytics API   Maven

TOOLS

Eclipse   git   Confluence   Maven

PLATFORMS

Heroku   Tomcat   GitHub

PARADIGMS

REST   AOP   OOP

2014, NOV — 2015, AUG

WEB DEVELOPER
@ HOME

PROJECT

skill2peer
skill2peer is an web site for course publishing and registration

TEAM SIZE

1 - 3

PROCESS

Agile

EXPERIENCE

Designed the entire system architecture;

UI/UX prototyping, design and implementations, using AngularJS, HTML and CSS;

With Liquibase and Hibernate/JPA, designed the DB and DAO layer;

Using Confluence, has provided technical documentaion;

Wrote event/calendar management core;

Using Spring Social, implemented Login with Twitter and Facebook;

Has designed REST API for posting and fetching events and courses data

REFERENCE

https://github.com/compartia/skill2peer

TECHNOLOGIES	Spring Framework	Spring Security	Hibernate
	ehCache	AngularJS	LESS	Spring Boot
	Liquibase	Dozer mapper	JUnit	DBUnit	Mockito

| TOOLS | Eclipse | Jira | Jenkins | SonarQube | git |
| | Confluence | Maven |

| PLATFORMS | Heroku | Tomcat | Android | GitHub |

| PARADIGMS | REST | Open Source | AOP | OOP |

ANDROID DEVELOPER, PROJECT OWNER

PROJECT

Color Collection
Color Collection is a native application for Android. It processes images to extract most used colors.

RESPONSIBILITIES

Idea, UI/UX Design;

System architecture;

Development

EXPERIENCE

Tens of thousands of installations

TECHNOLOGIES CSS Java Servlets/JSP Android API

TOOLS git Maven Gradle Android Studio

PLATFORMS Android GitHub Heroku

PARADIGMS Open Source

LEAD JAVA DEVELOPER
@ RETURN ON INTELLIGENCE

PROJECT

Carpathia
Carpathia hosting. Inventory management for a large hosting provider.

TEAM SIZE

14 - 30

PROCESS Scrum

RESPONSIBILITIES	Requirements elicitation and analysis; Technical design; Business components development; DB design

TECHNOLOGIES

Spring Framework · Spring Security · Hibernate · ehCache · AngularJS · jQuery · Liquibase · REST · Dozer mapper · JUnit · DBUnit · Mockito

TOOLS

Eclipse · Jira · Jenkins · Sonar · SVN · Confluence · Maven

PLATFORMS

PostgreSQL · Tomcat

PARADIGMS

AOP · TDD · BDD · SDLC · REST

2011, APR — 2013, APR

PROJECT

http://www.heritagehealthprize.com/c/hhp
Heritage Health Prize Competition: to create an algorithm that predicts how many days a patient will spend in a hospital in the next year.

EXPERIENCE

Has developed the algorithm to identify patients who will be admitted to a hospital within the next year using historical claims data;

Has developed own high performant library of machine learning (classification and clustering) algorithms such as Gentle and Ada Boosting, Random Forests, K-Means, Kohonen Networks, Neural Networks,

AWARDS

top 10% (116th of 1353)

REFERENCE

https://www.kaggle.com/zaborskiy/results

2011, MAR — 2013, MAR

LEAD DEVELOPER
@ EXIGEN SERVICES

PROJECT

Thompson Reuters, InPublic/MMI
InPublic/MMI: A JEE web app for Thompson Reuters. The app provides functionality to publish and distribute press releases.

TEAM SIZE

7 - 10

PROCESS

Scrum

RESPONSIBILITIES

Requirements collecting and analysis;

Technical design;

Planning and tasks distribution, reporting, peer review, code review;

Business components development

EXPERIENCE

Has developed the architecture and the framework for the MMI system;

Implemented cross-browser UI for MMI using GWT;

Integrated with Facebook, LinkedIn, and Twitter.;

Developed business components for composing and publishing press releases.

TECHNOLOGIES

JEE   Spring Framework   Hibernate   JSF   GWT

RichFaces   Liquibase   Lucene   JUnit   CSS

JavaScript   WSDL

TOOLS

Eclipse   Jira   TeamCity   Jenkins   Sonar

Perforce   Maven

PLATFORMS

WebLogic   OC4J   Oracle   SDLC   REST

2009, SEP — 2012, SEP

JAVA DEVELOPER
@ YOUDOWELL AG

PROJECT

youdowell

An online coach for a healthy lifestyle and menu planning

EXPERIENCE

Designed the system architecture and the system backbone;

Consulted on UI and usability;

With GWT, developed the back-office application, allowing users to edit recipes and nutrition data;

Designed and implemented a number of reusable UI components;

Wrote DAOs using Hibernate and EclipseLink

TECHNOLOGIES

Java   GWT   Spring Framework   Lucene

Compass Search   EclipseLink   Hibernate

TOOLS

Maven   Sonar   Bamboo

PLATFORMS

PostgreSQL   MySQL   Tomcat

2010, AUG — 2011, MAR

PROJECT MANAGER
@ EXIGEN SERVICES

PROJECT

T-Mobile, DE

eCare --//-- see below

TEAM SIZE	15 - 25

PROCESS	Waterfall

RESPONSIBILITIES	Requirements analysis;
	Planning and tasks distribution, time tracking, reporting;
	Interaction with Germany based business analysts;
	Staffing, team skills development, career development of employees. Coaching and organizing educational activities

TOOLS	MS Project Jira

LEAD JAVA DEVELOPER
@ EXIGEN SERVICES

FEATURED

PROJECT	**T-Mobile, DE**
	eCare. A distributed JEE app for T-Mobile (DE). The app provides functionality to manipulate customer's contract data and tariff plans. The services are accessible from web and via web services (B2B SOA interface). One of the challenging things was integration with the number of partner systems.

TEAM SIZE	15 - 25

PROCESS	Waterfall

RESPONSIBILITIES	Requirements analysis;
	Technical designs;
	Planning and tasks distribution, tracking, reporting;
	Business components development;
	Interaction with business analysts located in Germany;
	Staffing, team members skills development

EXPERIENCE	Has built a number of components for a distributed JEE app for T-Mobile (DE), providing functionality for manipulating customer contract data and tariff plans;
	Developed B2B SOA interfaces;
	Integrated with approximately 30 partner systems;
	Has built the framework for generating PDF reports using iText

AWARDS	2008: Exigen, Best Technical Lead of the year

| TECHNOLOGIES | JEE | Spring Framework | Hibernate | Axis | CXF |
| | XFire | WSDL | iText | | |

| TOOLS | Eclipse | ClearCase | Clear DDTS | Jira | Checkstyle |
| | FindBugs | Sonar | Hudson | SoapUI | |

| PLATFORMS | WebLogic | Oracle | | | |

| PARADIGMS | Web Services | ESB | OOP | SOA | EIP | SDLC |

PROJECT OWNER, DEVELOPER @HOME

2008, SEP — 2009, OCT

PROJECT

TestBuilder
TestBuilder is a web application for designing, publishing and taking quizzes, questionnaires and exams online. The system supports 2 user groups: those who create exams and those who take exams.

TEAM SIZE

2 - 6

PROCESS

Scrum

RESPONSIBILITIES

Idea and Concepts; Full cycle management; Building the team;

System architecture; Technical documentation and user's guide writing; UI design and code (GWT, CSS); DB design;

Public relations, presentations for seed investments

EXPERIENCE

Designed and built the entire UI using GWT, HTMl and CSS;

Integrated with Facebook, Google gadgets and Google AppEngine;

Has built the framework for generating PDF certificates using iText

| TECHNOLOGIES | Spring Framework | JPA | Hibernate | Lucene |
| | Hibernate Search | GWT | SmartGWT | iText | JUnit |

| TOOLS | SVN | Cruise control | Eclipse | Ant | Maven |
| | Track | Spring Roo | | | |

| PLATFORMS | PostgreSQL | Tomcat | Apache |

| PARADIGMS | IoC | AOP | CI |

LECTURER
@ EXIGEN SERVICES

2008, JUN — 2008, SEP

PROJECT

IT-college

Provided lectures on Java to groups of 20 students

TECHNOLOGIES

Java

2006, JAN — 2006, DEC

DEVELOPER / PROJECT OWNER @HOME

PROJECT

LjMap.net
Own, non-profit effort in Gravitational Sociology and Geographical Semantics, web-visualization and analysis of e-societies. The aim was to find and to visualize clusters of users in social networks like LiveJournal

TEAM SIZE

2 - 4

EXPERIENCE

Idea, research;

Created Google Map-like web-interface;

Implemented web crawler for fetching, storing and indexing FOAF data;

Math: created the engine for clusterization of 10M+ data records;

Optimized heavy calculations on huge amount of data

TECHNOLOGIES

Java   CSS   JavaScript   Servlets/JSP   JDBC

Ajax

PLATFORMS

Tomcat   Linux   Resin   PostgreSQL

PARADIGMS

Neural Networks   Social Networking   Big Data

Data Visualization

2000, AUG — 2003, APR

JAVA DEVELOPER @NEMO (NEURAL MODELING)

PROJECT

Outsell, LLC (U.S.)
KIBERRY: Building Neural networks based Interactive Virtual Representatives; Web-based dialogue scenarios editor UI.

TEAM SIZE

4 - 12

PROCESS

Agile

Designed the product architecture;

Led negotiations with U.S. partner companies including Outsell, LLC;

Neural Core design and implementation;

Has created online dialogue schema editor for designing domain-specific chat bots;

Provided technical documentation;

Has designed and prototyped the 3D-representation for complex neural networks systems;

Designed the KIBERRY brand, the logo and the website

TECHNOLOGIES

JavaScript   Java   Applets   XML   XSLT

SWING   AWT   JDBC   Servlets/JSP   C++   JNI

PLATFORMS

Apache   Tomcat   Linux   MySQL

PARADIGMS

Neural Networks   Petri net   AI   Machine Learning