Alexander Gatsenko

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Skills

Programming languages:	Java, Scala, Groovy, Python, SQL, JavaScript, TypeScript.
Technologies:	**Java**: Guice, Guava, Vavr, Spring, Spring Boot, Spring Data, Spring Batch, Spring Security, Spring Cloud, Quartz, Jackson, Protobuf, JAXB, Servlets, JAX-RS, JAX-WS, JPA, Hibernate, EclispeLink, QueryDSL, JDBI, JMS, WebSphere MQ, Apache Kafka, Apache Camel, Tomcat, Jetty, Undertow, Prometheus, Junit 4/5, Mockito, Spock Framework **Scala**: Cats, Monix, Monocle, Circe, Play JSON, Akka, Play Framework, ScalikeJDBC, Slick **Front end**: Vue.js, Vue Router, Vuex, Axios, Jest **Virtualization tools**: Docker, Kubernetes
Build tools:	Maven, Gradle, SBT, NPM, Grunt, Webpack
Databases:	Oracle, MySQL, MS SQL Server, PostgreSQL, MongoDB, Aerospike, Redis
IDE:	IntelliJ IDEA, VS Code, Eclipse, MS Visual Studio
Analysis and system design:	SOLID, OOP patterns (GOF, GRASP, EAA, UI Rich Client), system analysis, UML, domain-driven development, test-driven development.
Development processes:	Scrum, Kanban, XP
Foreign languages:	Russian and Ukrainian (native) English (pre-intermediate)

Work Experience

2019 ***LoopMe***

Projects:

Proxy-server of RTB requests

Role: software engineer

Responsibilities:
- analysis
- design
- backend development

Project description:
The goal of the project is to implement the proxy server to unify various Ads requests to the common API. The common API allows unifying and simplifying the processing of Ads requests by several consumers. The requirements are also included several web servers' supporting. They should process incoming requests. I implemented the non-blocking API that based on OpenRTB 2.5 specification with using HTTP/2 for incoming requests and Protobuf 3 for outcoming requests. The implementation allows processing the incoming requests on Undertow and Jetty web servers. Moreover, the implementation easily allows adding new server without changing the proxy-server logic.

Used technologies:
Java 11, Jetty (HTTP/2), Undertow (HTTP/2), Jackson, Protobuf 3, Guice, OkHttp 3.x, Junit 5, Prometheus, Gradle, Docker, Kubernetes, Git

2018-2019 ***Playtika***

Projects:

Common micro-service for mini-games

Role: software engineer

Responsibilities:
- analysis and design
- back-end development
- code review

Project description:
The main goal of project is developing the common micro-service for managing various mini-games' state. It considerably simplified the addition of new mini-games.

Used technologies:
Java 11, Spring Boot, Spring Data, Spring Cloud Netflix, Aerospike, Apache Kafka, Junit 5, Spock Framework, Docker, Git.

2009 – 2018 ***Luxoft-Ukraine***

Projects:

ETL systems for processing data of various financial information services

Role: software engineer

Responsibilities:
- analysis and design
- back-end development
- front-end development
- code review

Project description:
The main goal of project is developing ETL systems that process data of various financial news agencies. The systems allow loading and processing data of different formats from various sources. The systems provide UI that allows accepting various investment decisions for end-users. Besides, the systems had several integrations with other internal systems.

Used technologies:
Java 8, Spring, Spring MVC, Spring Security, Spring Batch, Quartz, Tomcat, Oracle DB, JPA, Hibernate, JDBC, Jackson, JAX-RS, JAX-WS, CXF, WebSphere MQ, GWT, JSP, Angular 2.x, Junit 4, SVN, Git

Solar panels management system

Role: software engineer

Responsibilities:
- analysis and design
- back-end development
- code review
- mentoring

Projects descriptions:
The main goal of the project is to develop the system for increasing life of solar panels. Our team implemented the following:
- collecting data of solar panels' operation
- public REST API for CRM system for rental solar panels

Used technologies:
Java 7, Guava, PostgreSQL (relational and JSON models), JPA, EclipseLink, JDBI, Guice, Amazon SQS, JAX-RS (Jersey), Jackson, DropWiazrd, Tomcat, Jetty, Junit 4, Spock Framework, GitHub.

IPS web portal

Role: software engineer

Responsibilities:
- analysis and design
- back-end development
- front-end development
- code review

Project description:
The main goal of project is to develop the web-portal of British internet provider service. The following main functions were implemented:

- user management
- product catalog
- selling products
- calculation of using products' cost
- providing invoices to end-users

Used technologies:
Java 6, Spring, Spring MVC, Hibernate, JDBC, MySQL, Servlets, Portlets, Liferay, JSP, CXF, Quartz

Project Monitoring System

Role: software engineer

Responsibilities:

- analysis and design
- back-end development
- front-end development
- code review

Project description:
The main goal of project is to develop the monitoring system that allows tracking project's progress by the following metrics: efficiency, quality and customer satisfaction.

Used technologies:
Java 6, My SQL, Hibernate, Spring, CXF, JAX-RS, ZK, Tomcat.

Payment card management systems

Role: software engineer, team lead

Responsibilities:

- analysis and design
- back-end development
- rich client development
- team management

Project description:
Our team developed the several systems for management payment cards of big Ukrainian bank.

Used technologies:
.NET 3.5-4.0 (C#), C++, MS SQL Server, Oracle DB, ADO.NET, NHibernate, WCF, Spring.NET, Quartz.NET, WinForms, WPF, Silverlight.

Education

Mechanical faculty of Dnipropetrovsk National University of Railway Transport