Igor Y. Pavin

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Senior Java Backend Engineer / Software Architect

Professional Summary:

Java backend is my primary focus since 2003 and my experience helps me to solve complex problems and tasks of my clients and employers.

Technical skill set:

Languages:

- Java (Java 11)
- Python 3
- Bash
- a bit of Javascript

Technologies and frameworks:

- Spring-boot, Spring-cloud, Microservices
- Openshift, Docker, Docker-Compose
- Kafka
- Grafana, Prometheus, Kibana
- Protobuf, Lombok, AOP (AspectJ)
- JDBC, JPA/Hibernate, Flyway, Liquibase, H2
- Junit, AssertJ, Mockito, TestNG
- REST, JSON, jQuery, AngularJS, HTML/CSS

Databases:

- MySQL, PostgreSQL, Oracle
- MongoDB, Apache Cassandra

APIs:

- Stripe
- Amazon CloudSearch

Other:

- Git, Gradle, Maven
- JaCoCo, SonarQube
- Jenkins, Concourse-CI
- Atlassian JIRA/Confluence/FishEye/Crusible
- Github, Gitlab, Bitbucket

Education:

Donetsk State Technical University (September 1994 – July 1999)

Computer science specialist degree.

Employment history:

Luxoft (Jul 2021 – current time)

Senior Software Engineer (Software architecture design, development and improvement)

Inno.tech (Aug 2020 – Jun 2021)

Senior Software Engineer (Software architecture design, development and improvement)

Toptal (Dec 2015 – Jul 2020)

Senior Software Engineer (Software architecture design and development)

#Place (May 2017 – Jan 2019)

Senior Software Engineer (Software architecture improvement and implementation)

Dubit Limited (Apr 2016 - Apr 2017)

Senior Software Engineer (Software architecture design and development)

Crossover for Work (June 2015 - Mar 2016)

Software Architect (Software architecture design and development)

Exadel (September 2007 – May 2015)

Senior Software Engineer, Tech Leader (Architecture and software development, team management)

Datech Ltd. (December 2003 – August 2007)

Software Architect, Lead Java Engineer (Architecture concepts, development, mentoring)

Algo-rithm LLC (March 2002 – November 2003)

Web developer (JEE-development and web-development)

Projects:

As Inno.tech employee (Aug 2020 — Jun 2021)

Credit conveyor	
Description:	Develop a "credit conveyor" infrastructure for bank. • Microservices development • Metrics monitoring and code optimization/parallelization • Third-party services integration
Technical base:	Java8, Openshift, Kafka, Grafana, Kibana, Spring-boot, Oracle, PostgreSQL, Gradle
Position:	Senior Java Engineer
Platform:	Linux

As Toptal employee for PitchStone Technology, LLC (Jul 2019 — Jul 2020)

Glamhive	
Description:	Support and improve the personal stylists services portal. • Redesigning the REST API to meet the new requirements • Implementing user stories according to the new specification • Improving the integration with Stripe API • Dockerizing the existing apps
Technical base:	Java8, Docker, MongoDB, Amazon CloudSearch, Stripe, Swagger
Position:	Senior Java Engineer
Platform:	Linux

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As Toptal employee for Sqreen Inc (Feb 2019 — Jun 2019, Nov 2019 — Mar 2020)

	Sqreen java APM agent test infrastructure
Description:	Develop a infrastructure to make easy a thorough testing of the java agent application an java application servers and frameworks on various modern and legacy JDKs. Involving: • Building docker images infrastructure for the set of servers (Tomcat, Wildfly, Jboss EAP, Jetty, Glassfish, Payara, Weblogic, Websphere liberty and Websphere traditional) and set of frameworks (Dropwizard, Jersey, Play, Spring-boot, and Vert.x) with embedded appserver (mostly Jetty); • Providing TestNG generic tests for Sqreen agent run in parallel with competitor agents (New Relic agent, DataDog agent, AppDynamics agent, Elastic APM agent) to find the compatibility issues; • Building an infrastructure for integration tests on CI-server execution, results analysis and reporting • Implementing a universal test execution infrastructurefor the generated images for the other technologies like ruby, node.js, python, go, etc.
Technical base:	Java6 - Java 13, java application servers (see above), APM agents (see above), Docker, MySQL, PostgreSQL, TestNG, Testcontainers, Python, Bash, Gradle, Google Cloud Platform
Position:	Senior Java Engineer
Platform:	Linux

As #Place employee (May 2017 — Jan 2019)

	Slot machines backend
Description:	Backend for multiple software slot machine clients. It performs slot data generation, user account management (top up/withdraw), transparent balances caching to lower database load. Also supports two protocol versions and translation between them for legacy clients. Slots are defined in a declarative way (YAML-like DSL) to ease modification for non-technical people.
Technical base:	Java 11, Spring-boot 2, JDBC, Docker, Grafana, Prometheus, Flyway, Lombok, Junit 5
Position:	Senior Java Engineer/Architect
Platform:	Linux

As Dubit Limited employee (Apr 2016 — Apr 2017)

MBC3 kids entertainment portal	
Description:	Microservices-based backend handling mobile entertainment application requests (in-game purchases, gifts, mystery boxes, avatars, etc).
Technical base:	Java 8, Spring-boot, Docker, JPA, Spring-data-rest, PostgreSQL, Liquibase, Swagger UI, Velocity, Junit
Position:	Senior Java Engineer/Architect
Platform:	Linux

As Crossover employee (June 2015 — Mar 2016)

Aurea's Actional Management Server	
Description:	Support and improvement for Aurea's product Actional Management Service, the Java/.NET applications performance analytic software.
Technical base:	Java core, JSP, javascript, Jetty, Ant
Position:	Senior Java Engineer
Platform:	Linux+Windows

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As Exadel employee (September 2007 — May 2015)

TD VEO One	
Description:	Financial advisory and analytics service.
Technical base:	Spring framework 3, Hibernate 4, Dozer, Mockito, Junit 4, Oracle, Tomcat 7
Position:	Senior Java Engineer
Platform:	Crossplatform

CircleBlack	
Description:	Financial online monitoring tool which calculates securities returns, portfolio performance, risks, etc.
Technical base:	WSO2ESB 4.0.8, WSO2DSS 3.1.1, Apache Cassandra 2, Apache Tomcat 7, Mysql 5.6, Liquibase
Position:	Senior Java Engineer / Team lead
Platform:	Crossplatform

bTrade Secure Xchange	
Description:	Java-based secure data transfer middleware (files, messages, etc.) via secure FTP, SFTP, HTTP-S/MIME protocols
Technical base:	Jboss AS7, JEE, JSF + JBoss Richfaces, Jboss Seam 2, Hibernate 3, Junit 4, Arquillian
Position:	Senior Java Engineer
Platform:	Linux + Windows

McKesson HealthCare IDM	
Description:	Intranet identity management security solutions (identity management for intranet users).
Technical base:	Javascript, JSP, OpenAM 10, OpenIDM 2.1.0, OpenDJ 2.5.0, Apache Tomcat, Nginx, MySQL, MS ActiveDirectory
Position:	Senior Java Engineer
Platform:	Linux + Windows

Hewlett-Packard Cleansheet	
Description:	Products catalog and online store for HP company website.
Technical base:	Spring framework 3, AOP, Hibernate 3, Oracle, SDL Tridion, Weblogic
Position:	Senior Java Engineer
Platform:	Linux + Windows

NextWave eNewsletter (Multi-level marketing engine)	
Description:	MLM-software with parnership program support. Mailing and newsletter design.
Technical base:	Springframework 3, JMX, Hibernate 3, MSSQL, Tomcat 5
Position:	Technical lead / Senior Java Engineer
Platform:	Crossplatform
DriveDev (PayPal Enterprise Portal/PayPal Dual Controls)	
Description:	PayPal portal where enterprise users can control their accounts (balances, payments), perform payments and control different financial activities.
Technical base:	Springframework 3, Spring-security 3, Spring-webflow 2, JSF 1.2/A4J/Facelets, jQuery, Hibernate 3, Oracle XE, Tomcat 5
Position:	Senior Java Engineer
Platform:	Crossplatform
Deutsche Bank Openadaptor	
Description:	JMX-controlled customized middleware system similar to existing ESB-solutions.
Technical base:	Springframework 3, Spring-security 3, JSF 1.2/A4J/Facelets, JavaFX 1.2, jQuery 1.3, Hibernate 3, Oracle XE, Tomcat 5
Position:	Architect/Team Leader/Senior Java Engineer
Platform:	Crossplatform
Golden Gate University Path2Complete	
Description:	Course attendance forms management system. Includes support for the student, advisor and administrator.
Technical base:	Springframework 2.5, JSF 1.2/A4J/Facelets, jQuery, Hibernate 3, Oracle, Tomcat 5
Position:	Senior Java Engineer
Platform:	Crossplatform
Exadel E7	
Description:	Flow design/control system. Includes eclipse-based GUI and set of JBPM action-handlers.
Technical base:	JBPM, Drools, JAX-WS, JAX-RS, Jboss AS
Position:	Senior Java Engineer
Platform:	Linux + Windows

ABNAMRO MaxTrad	
Description:	System for small credit processing. Operates documents of the following types: Letter of Credit, Amendment, Inquiry.
Technical base:	GWT, EJB, Tomcat
Position:	Senior Java Engineer
Platform:	Crossplatform
Deutsche Bank Mutual Funds IPS	
Description:	Invoice processing system for Deutsche Bank. Part of the Deutsche Bank internal automation system.
Technical base:	Spring framework 2, Apache, Tomcat, Oracle, Hibernate, JSF
Position:	Java Engineer
Platform:	Clustered tomcat configuration, Linux

As Datech Ltd. employee (December 2003 — August 2007)

Payments processing site (http://payments.world-dating-partners.com)	
Description:	It's a part of the partnership sites of the dating sites partnership network (see below). This site is intended to be a credit card payments accepting part. It utilizes the services of the CyberSource (http://cybersource.com) payment provider.
Technical base:	Spring framework, Apache, Tomcat, Oracle
Position:	System Architect/Tech Lead
Platform:	Clustered web-server configuration, Linux
Web content building module	
Description:	The JAR-library/ANT-task which performs the build of the ad-hoc organized web content of the partnership network partner sites. The "ad-hoc" organization of the content includes such features as: • inheritance of the web content (JSP, styles, images, js-scripts, mail templates) from one site by another; • overriding of the inherited web content.
Technical base:	JSE, Ant, TestNG, AspectJ, JNI
Position:	Lead Engineer/System Architect
Platform:	Linux + Windows
Worldwide dating site with the partnership network. (http://singlescrowd.com)	
Description:	Dating site where the people can find their match. The system has such features as: • IM-chatting • Rich criteria matching mechanism • Powerful partnership network
Technical base:	Springframerwork, Tomcat, Apache, Web services, Oracle
Position:	Lead Engineer/System architect
Platform:	Clustered web-server configuration, Linux

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Partnership program administrative area for sites registered in "Singlescrowd Partnership Network" and "Adultcrowd Partnership Network". **Inactive at the current moment (http://d-admin.world-dating-partners.com)**	
Description:	Partnership program administrative area for *"Singlescrowd Partnership Network"* and *"Adultcrowd Partnership Network"* (**Inactive at the current moment**)
Technical base:	*Tomcat, JBoss, MySQL*
Position:	Developer
Platform:	Clustered web-server configuration, Linux
Partnership program registration site for "Singlescrowd Partnership Network" and "Adultcrowd Partnership Network". **Inactive at the current moment (http://dating.world-dating-partners.com)**	
Description:	Partnership program registration sites for *"Singlescrowd Partnership Network"* and *"Adultcrowd Partnership Network"* (**Inactive at the current moment**)
Technical base:	*Tomcat, JBoss, MySQL*
Position:	Java Engineer
Platform:	Linux

Interests and hobbies:

- Digital photography and studio photography;
- Functional languages;
- Distributed and high-load architectures;