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SOFTWARE ENGINEER

General Experience: Software engineer with 17 years of hands-on experience in following fields: software development and design, team and technical leading, project management and delivery. 10 years of cooperation with distributed teams.

Areas of responsibility: Software development, team and technical leading, architecting, mentoring.

Soft Skills: Communication, leadership, negotiation, problem-resolving skills.

Hard Skills: System design and development of web and mobile apps, micro-service applications, tools, utils, scripts and libraries.

Achievements: 22 commercial projects, 13 satisfied clients, 5 open-source projects, 47 articles.

Education: Technical degree and bachelor's degree in software engineering. Completed and earned 12 courses and certificates.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript.

Frameworks: Java SE/EE, Spring Framework, Angular, React.

Databases: MySQL, PostgreSQL, DB/2, H2, SQLite.

No SQL: MongoDB, Neo4J, InfluxDB, Elasticsearch.

Servers: Tomcat, Jetty, JBoss, GlassFish, Httpd, Nginx, Netty, NodeJS.

MOM: ActiveMQ, RabbitMQ, Kafka.

IDEs: IntelliJ IDEA, Eclipse, NetBeans, Xcode.

OS: Mac OS X, Unix/Linux, Windows, iOS, Android.

Web: HTML, CSS, XML, JSON.

Scripting: Bash, SQL.

Containers: Docker, Podman.

Orchestration: K8S, Docker Swarm.

Clouds: AWS.

Other: TDD, BDD, UML, Unit and Integration tests.

BUSINESS SKILLS

Industries: IT, Telecommunication, Education, Advertisement, Entertainment.

Methodologies: IT-Consulting, Outsourcing, Project Leadership/Project Management, Software Engineering, System Design and Documentation, Team Development, Coaching, Mentoring, User Documentation, Wiki Development.

Project Management: Kanban, Scrum, Lean, SAFe.

SIGNIFICANT COMMERCIAL EXPERIENCE

Period: July 2014 – till now

Company: Specific-Group GmbH. Belarus, Minsk

Position: Expert Software Java Developer

Project # 6: IT-PS Test Automation solution is based on the IT-PS Performance Monitoring project.

Role: Project Manager:

- Defined and controlled the development scope.
- Presented the solution to a customer.

Technology Stack:

- Java, Test NG, Apache Maven, Selenium, Selenide, Allure Reports, Sikuli Script.

Project # 5: CR CA Tool, Pantheon Database, New Database for Imh.**Role: Software Architect:**

- Took part in presales process: analyzed and elicited requirements, prepared architecture design, modules and functions, estimated efforts, wrote documentations and presentations.

Technology Stack:

- Java, Spring Framework, MySQL, MSSQL, Spring Boot, Tomcat, Hibernate.

Project # 4: Development of ITPS Monitoring System. The application itself consists of a frontend and a backend: the frontend is the presentation layer. Backend is responsible for data gathering, storing, monitoring, alerts execution.

Role: Key Software Developer:

- Analyzing requirements, developing application architecture, performing infrastructure tasks.
- Implementing on the back-end side: core, modules, services, and controllers.
- Implementing unit and integration tests, fixed bugs.

Technology Stack:

- Java, Spring Framework, Spring Boot, Tomcat, Elasticsearch, REST, Freemarker, Bootstrap, Angular JS, JQuery, Inspinia, D3, RGraph, NVD3, Git.

Project # 3: JIRA Automated Ranking Plug-in will provide automated scheduled or on-create or update ranking of issues based on a given formula on a JIRA Agile Kanban or Scrum board.

Role: Key Software Developer:

- Implemented improvements for a ranking algorithm. Extended services, refactored source code.
- Prepared build packages, performed tests.

Technology Stack:

- Java, Atlasian SDK, Maven, Git.

Project # 2: Estimation Tool helps to estimate the cost, time, and effort required to satisfy a given set of system requirements and determine the best strategy for designing and implementing software or systems project.

Role: Senior Software Developer:

- Moved the project from Amazon EC2 into an internal data center: installed and configured AS JBoss, MySQL, Httpd with SSL and proxy. Reconfigured a continue integration server.
- Migrated from MySQL on IBM AS400.

Technology Stack:

- Java EE, AS JBoss, MySQL, IBM AS400, Git, Maven, GWT, JSF, JSP.

Project # 1: Electronic Vehicle Registration: Kapsch EVR is a solution concept offering centralized management of vehicle registration data and automated monitoring for registration compliance.

Role: Senior Software Developer:

- Analyzing requirements, participating in the development of application architecture.
- Implemented on the back-end side: models, services and controllers.
- Implemented prototypes on the front-end side.
- Implemented functional tests, fixed bugs.

Technology Stack:

- Java, Spring, Hibernate, Maven, Tomcat, PostgreSQL, ActiveMQ, REST, JAX-RS, CXF, MongoDB, Drools Fusion, CouchDB, Swagger, Docker, JSP, CSS, HTML, JS, JQuery.

Period: October 2012 – June 2014

Company: Tula Consulting. Belarus, Minsk

Position: Software Developer/Senior Software Developer

Project # 3: kaboodle.com is a social shopping community where people discover, recommend and share products.

Role: Key Developer/Presales Specialist:

- Analyzed the project structure: modules and architecture. Learned customer's requirements.
- Worked as a presale specialist: checked a possibility for cooperation.

Technology Stack:

- Java, Spring, Hibernate, Ant, Tomcat, MySQL, Apache Lucene, REST, JSP/JSPX, CSS, HTML, JS.

Project # 2: access-mc.com developed a proprietary native content marketing technology, specializing in premium content distribution across publishers on the web. It is creating discovery + conversion through true contextual relevancy.

Role: Senior Developer/Key Developer:

- Analyzed requirements, participated in the development of application architecture.
- Implemented models, services and controllers, fixed bugs. Implemented functional and integration tests.
- Organized and launched a continuous integration server, automated processes: tests, build, deploy.
- Prepared distributed system environment, implemented necessary bash-scripts.
- Coordinated a front-end developer and QA engineers. Organized regular meetings with a team and the customer.

Technology Stack:

- Java, Spring Framework, REST, JDBC, MySQL, JSON, Amazon Web Services, Linux, Tomcat, RabbitMQ, Git, Maven, IntelliJ IDEA, PHP, JS, HTML, CSS.

Project #1: iOS/Android clients for “Pindle for Life”. This is a social networking service allows users to create their personal and business accounts share them between users, to do introductions and conversations and so on.

Role: Mobile Developer:

- Analyzed requirements, developed architecture of the application.
- Developed UI including custom controls, implemented application logic.
- Made new builds, distributed them among costumers.
- Launched a continuous integration server, automated processes: build, sign, deploy.

Technology Stack:

- iOS SDK, Cocoa, Android, Linux, Xcode, IntelliJ IDEA, Mac OS X, Git, TestFlight, Unfuddle, TeamCity.

Period: June 2011 – October 2012

Company: Private Entrepreneur. Belarus, Minsk

Position: Contractor/Remote Software Engineer

Project # 3: Management Node System (MNS 2.0). The product is a key component for managing and monitoring the communications network and the services it delivers.

Project # 2: The OSS/BSS interface is implemented by the **Open MN service**, which runs on top of the SI3000 MNS management system.

Project # 1: LA6112AX is a product for managing SI3000 Peso. The SI3000 Peso is 32 POTS port VoIP terminal adapter (Gateway).

Role: Software Engineer:

- Wrote functional specifications and design documents including UML diagrams.
- Developed a wrapper for I/O operations throughout SNMP.
- Implemented java beans, handlers, components and controllers for profiles: VLAN, DSL, Alarm, L2CP, Service Flow, Multicast, Services, ACL.
- Implemented service methods and classes to provide the business logic of Assurance, Inventory, Provisioning services for Ethernet over VDSL, Ethernet over Fiber and BA adapters.
- Implemented java beans, handlers, components and controllers to provide a management of Plain old telephone services (POTS).
- Designed GUI. Developed Lumia, Pono, Pono XL adapters for network communication between

different types of hardware modules. Developed unit tests. Tested functionalities.

Technology Stack:

- Own framework based on Java technologies: XML, JSP, Servlets, Web-services, SNMP, RMI, JDBC, Vaadin/GWT, Swing, Linux, Tomcat, JBoss AS, SVN, Maven, IntelliJ IDEA.

Period: 2007 – 2011

Company: Iskrabel. Belarus, Minsk

Position: Software Engineer

Project group # 3: AN6112EV (Ethernet over VDSL), AN6112EF (Ethernet over Fiber), AN6112AX is a product that presents the next generation of SI3000 MSAN. It brings a new generation of Ethernet Switch Blades and new access blades in all major broadband access technologies: ADSL2+, VDSL2 and FTTH.

Project group # 2: CS6112, CS6113, CS6114: CS is NGN call server implemented on CMF (MSAN – Multi Service Access Node) or ATCA HW platform with Linux OS and Solid data base.

Project group # 1: MG6112, MG6113, MG6114: MG is the Signaling and Media Gateway (SMG) product for world market.

Role: Software Engineer:

- Wrote functional specifications and design documents including UML diagrams.
- Developed wrapper for I/O operations throughout SNMP.
- Implemented java beans, handlers, components and controllers to provide a management of Virtual Local Area Network (VLAN), Dynamic Host Configuration Protocol (DHCP), Access Control List (ACL) and Spanning Tree Protocol (STP).
- Extended implemented functionalities, developed back-end and front-end.
- Designed GUI. Developed unit tests. Tested developed functionalities.
- Provided guarantee assurance in productions: bug fixing, code optimization, refactoring.

Technology Stack:

- Own framework based on Java technologies: XML, JSP, Servlets, Web-Services, SNMP, RMI, JDBC, Vaadin/GWT, Swing, Linux, SVN, IntelliJ IDEA.

2005 – 2007

IT Engineer. MSHRC. Belarus, Minsk

Role: Administrator/Web Developer:

- Administrated networks and workstations.
- Provided stable working of HTTP/FTP/proxy servers.
- Supported the web site on PHP language and MySQL database.

EDUCATION

2005 – 2011 National Technical University: Software of information technologies. Belarus, Minsk.

2001 – 2005 Higher radio engineering college: Software of information technologies. Belarus, Minsk.

LANGUAGES

English: upper-intermediate.

Russian: native.