Sasa Radovanovic

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PERSONAL INFORMATION

- Date of birth - 14/05/1990
- Place of birth - Pula (Croatia)
- Nationality - Serbian
- Fluent in English, Serbian, Croatian with basic knowledge of Czech and German [7] languages.
- Linkedin profile [1].
- Passionate about travelling and flying - flightdiary profile [8].
- Facebook profile [9].

ABOUT ME

- Full Stack developer with ~6 years of hands-on experience.
- Responsible, committed and hardworking team player prepared for fulfilling creative and complex tasks according to given deadlines.
- Having experience in development, DevOps and Team Lead/Project Management/System Architect tasks.
- Having industry experience in full life cycle of Java EE/Spring, Javascript and GWT/AngularJS based environments.
- Excellent communication skills and able to work along with people outside of engineering.
- Experienced in research and developing cutting edge solutions.

EDUCATION

Computer technician
Sep 2005 — May 2009

The First Technical School, Kragujevac, Serbia

- Average grade 5/5.
- Recipient of "Vuk Karadžic" diploma - highest degree diploma for high school education in Serbia.

BSc in Electrical and Computer Engineering
Oct 2009 — Jul 2013

Faculty of Technical Sciences, Novi Sad, Serbia

- Average grade 9.35/10.
- Bachelor thesis - "Implementation of Server Modules for Analysis and Diagnosis of a Large Number of STB Devices" [3].

MSc in Electrical and Computer Engineering
Oct 2013 — Jul 2014

Faculty of Technical Sciences, Novi Sad, Serbia

- Average grade 10/10.
- Master Thesis - "Implementation of a Server API for the Internet of Things Ecosystems" [4].

WORK EXPERIENCE

KLM ROYAL DUTCH AIRLINES
Mar 2017 — Present

Full Stack Developer

- Development and maintenance of internal (operations, crew and management-related) applications.
    - Spring (Spring Boot), Hibernate, MySQL, JSP, VueJS2 application stack.
    - Configuration of CI tools (Bamboo and XLDeploy).
    - Git (bitbucket) source management using GitFlow branching model.
    - Introducing Vert.x3 and Spark-java frameworks into stack
    - Communicating with different stakeholders from IT, management, operations.

CREDIT AGRICOLE BANK SERBIA   Apr 2016 — Mar 2017

External System Architect / Technical Lead (Part time/Full time)

- Apr 2016 - Jul 2016 - (Part time) External consultant on Java technologies and System Architecture
    - Defined initial architecture of several in-house projects,
    - Worked with Business sector in defining System Requirements,
    - Provided detailed reports on Java-based Web technologies along with initial estimates.
- Aug 2016 - Mar 2017- (Part time/Full time) Team Leader / Lead Developer on in-house CRM project (JavaEE/AngularJS/MS SQL stack)
    - Completed entire DevOps setup (Work Station setup, Testing and production environment setup, Installation of Jenkins and setup of automatic build/test/deployment procedures),
    - Leading a team of 12 developers,
    - Developed complete middleware SOA backbone (JavaEE stack on Wildfly 8.2.1),
    - Developed complete test framework for testing EJB 3.1 (modeled after Arquilian, using JUnit 4 and Wildfly modules),
    - Developed couple Java 8 utility applications:
        - JUnit export library (exporting JUnit test results to xml/html from Java code),
        - Protractor/JUnit test publishers (convert xml/html test results to pdf and distribute via mail after every automatic test run).

PAIS & PAYS projects (part time)   Jun 2015 — Mar 2016

Frontend team lead engineer (Part time)

- Part-time (~25h/week) involved in EU-funded projects PAIS and PAYS which utilize Fiware Cloud infrastructure.
    - PAIS (agro-pais.com) is an IoT solution aimed for agriculture systems. It provides real-time sensor measurement and different types of dron-powered imagenery.
    - PAYS (pays-system.com) is an e-commerce platform which aims to provide shoppers with freshly groomed products by connecting buyers, farmers and distributors.
- Participated in gathering requirements and setting system architecture as co-architect.
- Lead engineer - team of 4 frontend developers (AngularJS).
- Developing backbone, setting development and testing environment.
- Integrating google maps APIs and Google Polymer elements.
- Integrating web applications with backend server and Big-Data processors.
- Integrating payment processor.
- Deploying and keeping up-to-date reports towards project management teams.

RT-RK COMPUTER BASED SYSTEMS LLC   Jun 2014 — Nov 2016

Software engineer (Full stack web developer)

- Development of user web applications for IoT systems (GWT & AngularJS).
- Development of analysis and administration *back-office* web applications.
- Migration of entire software stack from JBoss 7.1 to WildFly 8.2.
- Setup and adjustment of Ubuntu Server 14.04 LTS for commercial deployment.
- Integration with client-developed software and third-party CRM systems.
- Initial development of in-house CRM & CDN solutions.
- Integration of third-party SMS, e-mail and push message notification systems.
- Integration of Openfire XMPP server with core system.
- Deploying and maintaining solution in cloud (customer infrastructure or Google Cloud).
- Setting nightly builds and deployments using Jenkins.
- Accurately providing development estimation and defining Validation Test Plan (VTP).
- Keeping constant relations with clients (daily teleconference and visiting their office abroad).
- Research in new generation protocols for IoT.

INSTITUTE FOR COMPUTER BASED SYSTEMS RT-RK   Jun 2012 — Jun 2014

Internship - R&D Engineer

- Research in monitoring systems for high-volume networks.
- Published papers in Cloud-based computing, IoT networks and enhancement of user experience using management protocols (TR-069).
- Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
- Development of server-side modules for analysis and diagnostics in digital television networks.
- Working closely with web designers in creating and developing new web applications based on R&D and customer requirements.
- Development of Java interfaces and Web services (SOAP, RESTFul).
- Testing, QA and browser-specific optimization.
- Completed internal courses on Digital TV standards, Middleware for DTV devices, Embedded C programming and GWT Web application.

QUALIFICATIONS
- Languages:
    - Java/Java EE mostly (Java 6, 7 and 8),
    - Javascript,
    - Basic knowledge of Scala.
- Application servers, frameworks and backend technologies:
    - JBoss (6 & 7.1) and WildFly (8.2),
    - Spring (Boot, JPA, Security and MVC),
    - Vert.x 3, SparkJava,
    - Basic experience with Play 2.5.X,
    - Node.js,
    - JPA, Hibernate,REST and WSDL Web Services, Maven,
    - Infinispan, Ehcache, Reddis.
    - PostgreSQL, MySQL, MongoDB.
- Frontend frameworks:
    - GWT,
    - AngularJS (and Angular-Material) 1.X,
    - *Mobile-first* frameworks (mostly Bootstrap but also Pure, Bulma, Google MDL and Foundation).
    - Basic experience with VueJS2,
    - HTML, CSS, LESS and architectural patterns (MVC, MVP, MVVC).
- IDEs:

- Eclipse (and Spring Tool Suite),
  - IntelliJ Idea,
  - IntelliJ Webstorm.
- Software Development methodologies, management and CI tools:
  - Waterfall, Agile development (Scrum) and Hybrid (Waterfall/Agile) development,
  - TDD and Pair programming,
  - SVN and Git (Gerrit, Bitbucket with different branching strategies),
  - Redmine, JIRA and Bugzilla,
  - Jenkins and Ant build scripts (Setup, management and configuration),
  - Bamboo and XLDeploy (configuration).
- Testing:
  - jUnit (and TestNG),
  - Easy Mock,
  - Mocha.
- OS:
  - Ubuntu, Ubuntu Server and Centos.
    - Setting up development and deployment environment,
    - Shell scripting.
  - Windows Server 2012 and above.
    - Batch and Power Shell scripting,
    - Setting up deployment environment.
- Cloud technologies and network-management protocols (TR-069, XMPP, SNMP, MQTT, AMQP).
- Openfire XMPP Server, plugins and Smack library.

PUBLICATIONS

1. "Cloud-based framework for QoS monitoring and provisioning in consumer devices", First author, IEEE Third International Conference on Consumer Electronics, Berlin 2013. [5]
2. "Adaptive TR-069 system service for Android-based consumer electronic devices", Co-author, IEEE Third International Conference on Consumer Electronics, Berlin 2013. [6]
3. "Device Cloud platform with customizable Remote User Interfaces", First author, IEEE Fourth International Conference on Consumer Electronics, Berlin 2014.
4. "Adaptive Device Cloud for Internet of Things Applications", Co-author, IEEE International Conference on Consumer Electronics, Shenzen, 2014.
5. "Lua-based Self-Management Framework for Internet of Things", Co-author, IEEE International Conference on Consumer Electronics, Las Vegas, 2015. [7]
6. "User self-help module for a device management cloud based on the TR-069 protocol", Co-author, IEEE Fourth International Conference on Consumer Electronics, Berlin 2014.
7. "Integration of Lua script interpreter for automatic device configuration using TR-069", Co-author, IEEE 22nd Telecommunication Forum (TELFOR), Belgrade, 2014.
8. "Integration of control and management module as a system service in Android-based devices", Co-author, ETRAN Conference, Serbia, 2014.
9. "Cloud platform for provisioning and management tools development for consumer devices", First author, ETRAN Conference, Serbia, 2014.

REFERENCES

1. Linkedin profile - www.linkedin.com/pub/saša-radovanović/a1/74b/485
2. Bachelor thesis (in Serbian) - http://www.rt-rk.uns.ac.rs/sites/default/files/e13071_sasa_radovanovic.pdf
3. Master thesis (in Serbian) - http://www.rt-rk.uns.ac.rs/sites/default/files/2014_Sasa_Radovanovic_E2_9_2013.pdf
4. ieeexplore.ieee.org/xpl/articleDetails.jsp?

tp=&arnumber=6697979&queryText%3DCloud-based+framework+for+QoS+monitoring+and+provisioning+in+consumer+devices

5. ieeexplore.ieee.org/xpl/articleDetails.jsp?
   tp=&arnumber=6697980&queryText%3DAdaptive+TR-069+system+service+for+Android-based+consumer+electronic+devices

6. ieeexplore.ieee.org/xpl/articleDetails.jsp?
   reload=true&arnumber=7066313&filter%3DAND(p_IS_Number%3A7066289)

7. www.duolingo.com/micika_ns

8. flightdiary.net/micika

9. www.facebook.com/mrFreqFlyer