Mirko Trifunovski
Software Engineer

Contact Details	mirko.trifunovski@gmail.com www.linkedin.com/in/mirkot
Residence **Date of birth**	Bitola, Macedonia 26-08-1986
Profile	Software engineer with a demonstrated history of working in the information technology and services industry about 13 years. Worked in TIBCO Operational Support, Ruby on Rails, SOA Testing, Manual testing and Test Automation. Strong information technology professional with a Bachelor of Science (BS) focused in Computer Science from Univerzitet 'Sv. Kliment Ohridski' in Bitola, Macedonia.
Strengths	• Flexibility and Adaptability • Responsible • Meeting deadlines • Work Ethic • Analytical abilities • Attention to details • Quick learning

Areas of expertise	Area	Experience	Year(s)
	Operational Support	Senior	5 year (s)
	Integration Development	Junior	8 months
	Web Development	Medium	2 year (s)
	Application & Web Functional Testing	Junior	1 year
	CMS Functional & Web Design Testing	Junior	5 months
	System Integration Testing	Senior	3 years
	Java	Junior	6 months

Roles and Sectors

Roles	Role	Experience	Year(s)
	Support	Senior	5 year (s)
	Integration Developer	Junior	8 months
	Web Developer	Medium	2 year(s)
	Tester	Senior	4.5 year(s)
	Java Developer	Junior	6 months

Sectors and business processes	Sector	Description
	Cable Telecommunications	Core Service Framework which will serve as a light weight loosely-coupled service layer for an array of third-party off-the-shelf applications and data sources, (e.g., Billing and Trouble Ticket systems).
	Telecommunications	Middle ware implementation focused on number management, inventory management and Billing system.
	Project and Human Resources Management	Leave of absence – LOA is custom software solution for managing vacations, time table and project assignment of employees in small and medium-sized companies.
	Science	Web site for specialized georeferenced databases and tools for the analysis of marine bacterial, archaeal, and phage genomes and meta genomes.
	Web CMS	Cloud-based CMS solution that makes it easy for enterprises, franchisors and small-to-medium businesses to create, build, and manage their website.
	Training and publishing	Multi-platform computer system debug, validation, analysis and learning tool that allows the user to read and write any memory, IO or configuration space address
	Science	VoD platform, molded with latest HTML5 technologies and video streaming that allows enrichment and access to video information from everywhere and from any new device
	Humanitarian Organization	Web application through which the client conducts microfinance transactions and a lending platform allowing donors to connect with an entrepreneur from different parts of the world.
	Large chain of musical instrument retailers	One of the largest chain of musical instrument retailers in the world with many locations throughout the United States

Education and skills

Education	Bachelor of Computer Science	University "St. Kliment Ohridski" Technical Faculty Bitola	2009

Languages	Language	Speaking	Writing
	English	Good	Good
	Macedonian	Mother tongue	Mother tongue

Knowledge Matrix		Experience	Years
Java	JAVA	Junior	6 months
	Eclipse	Junior	1 year
	JSP	Junior	3 months
Testing	Parasoft SOATest	Senior	3 years
Collaboration Systems	JIRA	Senior	10+ years
	HP Quality Center	Senior	3 year(s)
	iSupport	Senior	5 years
Web Development	Ruby on Rails	Medium	2 years
	JetBrains RubyMine	Medium	2 years
	JavaScript	Junior	3 month(s)
	AJAX	Junior	3 month(s)
	CSS	Junior	3 month(s)
	HTML	Junior	6 months
	JQuery	Junior	3 month(s)
TIBCO Tools	Tibco Designer	Medium	5 years
	Tibco Spotfire	Junior	3 months
	Tibco BW	Medium	5 years
	Tibco Administrator	Senior	5 years
	Tibco EMSCA	Senior	5 years
	Tibco Hawk	Senior	5 years
	TIBCO EMS	Senior	5 years
Integration Programming	TIBCO	Junior	8 months
Integration tools	Mulesoft (Basic Training)	Junior	3 months
	Altova	Junior	9 months
	XML	Junior	3 months
	XSD	Junior	3 months
DB	DBVisualizer	Senior	5 Year(s)
	MySQL	Medium	2 years
	Oracle	Medium	5 Year(s)
UNIX	Bash scripts	Medium	5 years
Other	Jenkins	Medium	5 years
	SVN	Senior	5 years
	Git	Medium	2 years
Operating Systems	Windows (7/8)	Senior	13 years
	Linux/Unix	Senior	5 years

Projects

Large chain of musical instrument retailers

Retail

5 years

TIBCO Technical Consultant –March 2016 – March 2021

Project description:
The purpose of the Operational Support team, is to provide day-to-day operational support for the TIBCO Architecture in operating, controlling, troubleshooting, and maintaining the TIBCO systems implemented in Production as well as Non-Production Environments.

Role:
- Provide Level 3 support for TIBCO Integration Architecture.
- Support existing interfaces
- Support interfaces that will go live in the future
- Support and perform deployments of TIBCO BW5/BW6 applications and related functionalities (ems, related configuration files, bash scripts, monitoring rules etc)
- Implement / maintain Hawk monitoring rules for the TIBCO applications on prod and non-prod environments
- Implement / maintain bash scrips for archiving/deleting data files and monitoring / alerting for deployed TIBCO BW applications and flows on prod and non-prod environment
- Maintain / update the installed TIBCO software on Prod and Non-Prod environment
- Validate / monitor flows for any new errors or failed transaction ids and report new or validate previous tickets on a daily basis (checks) for Production environment
- Review assigned tickets from other related systems and perform code review/debug or data analysis, in order to provide needed details for resolving the reported issues.
- Validate and monitor flows after regular and emergency deployments on Production environment
- Support regular software and hardware updates (Windows, Unix, Network , Storage , Firewall etc) on the TIBCO BW systems and hosts on Prod and Non-Prod environments
- Regular password rotations on DB and Service accounts related to TIBCO applications and flows
- Regular certificate updates on TIBCO applications

Team structure:
I was part of offshore team consisted of 2 members. I had a role of TIBCO Technical Consultant.

Technologies/products: TIBCO BW 5.x / 6.x, TIBCO EMS , TIBCO EMSCA, TIBCO Enterprise Administrator, TIBCO Hawk

Large telephone company

Telecommunications 8 months

TIBCO Technical Consultant, August 2015 – March 2016

Project description:
The project aims to replace the current integration platform based on IBM Integration Bus and DXSI with a SOA solution based on TIBCO in combination with Liaison Contivo maps in order to:
- Reduce time to market to be able to quickly integrate internally and externally.
- Future readiness to be able to quickly adapt to changing technology landscape e.g. REST, Cloud, Bigdata and mobile applications integration. Executive Dashboard for transaction statistics.
- Utilize Event BUS for Event driven architecture and loose coupling of services layer.
- Preparedness for client future growth. Separate ESBs based on business areas BSS and OSS.
- Reduce product vendor foot prints wherever necessary for agility & adaptability for custom needs-A hybrid approach. Model driven development for vendor neutrality.

Role:
- Implement TIBCO BW services.
- Model transformation maps using Liaison Contivo Analyst.
- Support testing.

Team structure:
I was part of offshore team consisted of 10 members. I had a role of TIBCO Technical Consultant.

Technologies/products: TIBCO Designer, TIBCO Business Works, TIBCO EMS, TIBCO Business Studio, XML, XSD, XPath, XSLT, Web-services

Humanitarian Organization

Micro financing
24 months

Web Developer – Humanitarian Organization June 2013 – June 2015

Project description:
Web application for a humanitarian organization used to conduct micro finance transactions with hundreds of entrepreneurs and donors. Application enabled integration of multiple sub-sites for different countries, languages or mobile sites and consisted of donation system, administrator panel, API's, reporting, microfinance updates etc. The improvement and expansion projects consisted of Ruby on Rails design, development and update of existing and adding new functionalities to the application.

Subprojects:
Business Metrics: added reports capability for reporting key metrics and performance indicators in a consolidated way for each Support Office and Micro Finance Instruction (MFI)
Gift Card Redesign: align the application with the new client Branding and improve the User experience during the purchase of Gift Cards
Loan Updates Redesign: align the technical functionality with the expectations of the business teams regarding the usage of mid-term and final-term updates on loan
One Time Gift Creation CSV: One Time Gift Solution will provide the client with a couple of options to log back one-off donations directly into Admin Platform in bulk or single transaction at a time.
One Time Gift Creation Website: added ability for Admin User to provide One Time Donation to any published Loan
Mechanical Turk CSV: import and export loans information for crowd source processing in order to handle all quality control-related phases of the micro loan
Cart Improvement: Guest checkout functionality
Managed Services: defects tracking and resolving

Role:
Analysis, estimation, design, implementation, deployment and unit testing of new features according to provided specifications and business requirements. Additionally, performed tracking and resolving application defects using JIRA tracking system as part of unit testing and application maintenance and improvement.

Team structure:
I was part of offshore development team that consisted of 5 members.

Technologies/products: Ruby On Rails, HTML, CSS, JavaScript, JQuery, Ajax, GIT, MySQL, Jet Brains Ruby Mine, New Relic

Agricultural Agency

Agricultural
3 months

Tester - SEMPA March 2013 – June 2013

Project description:
System for evaluation, monitoring and planning of employee activities (SEMPA) is rich .NET web based application that supports the on-going development and improves the automation of internal business processes in a Government Institution for Agriculture Advisory Services. The business complexity is simplified by the following core functionalities: Annual working plan mapping into project and subproject prototypes along with the supporting documents, work instructions and best practices, subproject planning on employee level and verification by supervisors, day-by-day evidence of the employee's planned activities, weekly reporting, monitoring and evaluation of the work done by the supervisors. Despite of implemented business logic of a high complexity in a background, the system offers the employees a tool with a high degree of usability. Modular architecture approach and scalability contributes for consistent upgrade of functionality and fast development.

Role:
Performing manual functional testing and defect tracking.

Team structure:
I was part of testing team that consisted of 2 members.

Technologies/products: JIRA, Android

Telco Company
Telecommunications
3 months

Offshore Tester - Device Leasing System Jan 2013 – March 2013

Project description:
The project implementations program that will enable customers to lease a device by utilizing services from external vendor.

Role:
Design of test case scenarios, development of automated test suites, performing manually and automated testing on the new application functionalities and defect tracking.

Team structure:
I was part of testing team that consisted of 3 members. I had roles of tester and test lead.

Technologies/products: SOATest platform for development of automated tests, HP Quality Center

Computer Training Company
Training and publishing
8 months

Tester - Computer system debug tool   August 2012 – March 2013

Project description:
Multiplatform computer system debug, validation, analysis and learning tool that allows the user to read and write any memory, IO or configuration space address and view in a clean and informative style as well as checked for configuration errors and non-optimal settings.

Role:
Performing functional regression testing

Team structure:
I was part of testing team that consisted of 2 members.

Technologies/products: Unfuddle

Telco Company
Telecommunications
6 months

Offshore Tester - CID-Agile/XtraSmallBacklog June 2012 – Dec 2012 (Sub project)

Project description:
This long-term, multi-layer, project addresses various requests by the business to support new requirements and or implement improvements in the client IT infrastructure.

Role:
Design of test case scenarios, development of automated test suites, performing manually and automated testing on the new application functionalities and defect tracking.

Team structure:
1 member

Technologies/products:
SOATest platform for development of automated tests, HP Quality Center, JIRA

Science Institute
Science
3 months

Tester - Video Platform March 2012 - June 2012

Project description:
VoD platform, molded with latest HTML5 technologies and video streaming that allows enrichment and access to video information from everywhere and from any new device

Role:
Designing test cases according to business requirements, manually testing functionalities and defect tracking.

Team structure:
I was part of testing team that consisted of 2 members.

Technologies/products: JIRA

Telco Company
Telecommunications
8 months

Offshore Tester - RQ11 R3 August 2011 – March 2012 (Sub project)

Project description:
Products are being built to align with National market plans to leverage national advertising as well as fit the unique needs of the local market.
New feature were implemented which provides a local telephone number in other countries (including Mexico) that forwards to a wireless number in the U.S. - eliminates ILD charges for local originating caller in another country (no interconnect charges – calls go over an IP backbone)
Working with partner DIDWW to provide this service to customers and obtaining the International Virtual numbers

Role:
Design of test case scenarios, development of automated test suites, performing manually and automated testing on the new application functionalities and defect tracking.

Team structure:
I was part of testing team that consisted of 3 members. I had roles of tester and test lead.

Technologies/products:
SOATest platform for development of automated tests, JIRA, HP Quality Center

Website Marketing Agency
Internet Marketing
5 months

Tester - Content Management System March 2011 - August 2011

Project description:
Cloud-based CMS solution that makes it easy for enterprises, franchisors and small-to-medium businesses to create, build, and manage their website.

Role:
Documenting test cases, manual functional testing of the content management system and defect tracking. I also performed content loading and testing on the client's sites design and form functionality.

Team structure:
I was part of team that consisted of 4 members. I had roles of tester.

Technologies/products: Unfuddle

Science Institute
Science
1 months

Tester - Website migration March 2011

Project description:
Web site for specialized georeferenced databases and tools for the analysis of marine bacterial, archaeal, and phage genomes and metagenomes.

Role:
Design of test case scenarios according functional requirements, performing manual testing on the application and defect tracking.

Team structure:
I was part of testing team that consisted of 2 members.

Technologies/products: SOATest platform for development of automated tests

Internal Company Project
Project and Human Resources Management
4 months

Tester - Leave of Absence system Oct 2010 - Feb 2010

Project description:
Leave of absence – LOA is custom software solution for managing vacations, time table and project assignment of employees in small and medium-sized companies. System supports individual requests and responses for vacation, new assignment on projects and short term questionnaires – open and anonymous.

Role:
Design of test case scenarios according business and functional requirements, performing manual testing on the application and defect tracking.

Team structure:
I was part of testing team that consisted of 3 members.

Technologies/products: JIRA

Telco Company

Telecommunications

15 months

Offshore Tester - Point Of Sale June 2009 - October 2010 (Sub project)

Project description:
Point of Sale project replaces old client POS system with new point of sale system that will provide client with a flexible point of sale solution that can be used in multiple channels and provides automated integration capability with other systems/components, like SCM, MDM, Billing, etc. This project solves years of business and operational constraints and enables client to meet its growth and business objects in the years ahead.

Role:
Design of test case scenarios, development of automated test suites, performing manually and automated testing on the new application functionalities and defect tracking.

Team structure:
I was part of testing team that consisted of 3 members. I had roles of tester.

Technologies/products:
SOATest platform for development of automated tests, JIRA, HP Quality Center

Telco Company

Telecommunications

32 months

Offshore Tester - June 2009 – May 2013 (Main Project)

Project description:
The project is a wide integration initiative of a fast-growing wireless service provider with a few million customers. This broad software integration, improvement and expansion project is consisted of multiple separate initiatives: design and development of TIBCO-based SOA integration platform services and adapters and enables integration of multiple systems including Billing, POS (Point Of Sale), MDM (Master Data Management) system, SCM (Supply Chain Management), Taxation and Shipment systems, service and front-end application development, testing - development of both back-end and front-end test scenarios, automated testing framework and tests using SOATest for the purpose of extended unit testing, performance testing using proven testing platforms, automation of the testing using Hudson cruise-control auto-execution and reporting, configuration management and production and issue resolving support.

Subprojects:
- **Point Of Sale System**
- **RQ11R3**
- **CID-Agile/XtraSmallBacklog**
- **Device Leasing System**

Project Role:
I was involved in system integration testing and validating new functionalities by performing regular manual or automated functional regression or smoke tests. Testing was executed against test cases that were documented from analyzing client provided business/functional/system requirements or by client JIRA tasks. From the testing results I was raising JIRA issues and validating provided application fix. I also worked on the development of automated front and back end test suites using the Parasoft SOATest testing tool. The development of the test suites consisted of recording the tests steps according the test scenario, optimizing and setting validations and the validating and committing the test suite.

Team structure:
I was part of several testing sub-projects that consisted of 3 to 10 members. I had role of tester.

Technologies/products: SOATest platform for development of automated tests, HP Quality Center, JIRA

Cable Telco company

Telecommunications

6 months

Developer - SOA Core Services Framework June 2008– January 2008

Project description:
The SOA Core Services Framework represents a critical component of the client technology group SOA foundation framework, and was put in place to replace the previous architecture, which had the following limitations: tightly coupled ESB and Adapter Framework, performance problems and memory leaks, use of glue code, non-standardized and insufficient exception handling, logging and monitoring etc. The SOA Core Service Framework serves as a light weight loosely-coupled service layer for an array of third-party off-the-shelf applications and data sources, (e.g., Billing and Trouble Ticket systems). The framework architecture is based on a Java/Spring framework implementation which enables services-based n-tier distributed enterprise applications, and specifies component-based technologies to support such applications.

Project Role:
Development web services using XSLT and Java based framework. Unit testing of the developed Services using SoapUI testing tool

Team structure:
I was part of team that consisted of 12 members. I had role of developer.

Technologies/products: Java, XSLT based framework, JAX-WS, Spring