MEHDI BIZHANI   Senior Software Engineer

I am an experienced senior software engineer with 13 years of working in software development, information technology and services industry, skilled in **Wicket**, **Spring**, **Groovy**, **Oracle Database**, **Maven**, and **Hibernate**. I graduated **master degree** in Information Technology from **K.N. Toosi University of Technology**, and the focus of my thesis was on **data mining in banking industry**. I finished bachelor degree in Computer Engineering from **University of Tehran**, the first grade university in Iran.

Throughout my career, developing an idea, architecting and implementing it as a software has been my main passion. During 3 years in Dotin, for building **data warehouse** and **BI**, I created a platform of **ETL** and BI based on **Pentaho Mondrian** to demonstrate dashboards based on **MDX**. Afterwards, my team developed these **data-driven softwares** besides other ones such as banking customer club and AML.

Now, as the technical manager of **Data Management** and **Operation** in FanpSoft department, I have been creating a **full-stack modular platform**, called **"Demeter"**, hosted on **GitHub**. Since then I have been developing two **DModules** (software-as-module over Demeter core), one is "Metis" and the other is "Ares". **"Metis"** is a flexible reporting application created for MIDRP ERP project, and **"Ares"** provides a web-based SQL and Linux shell terminal console, **Groovy-DSL**-user-defined command panel, and configuration management for Linux, Oracle Database, and VMware ESXi operation.

ME IN A NUTSHELL

First Name	Mehdi	Sex	Male
Last Name	Bizhani	Marital	Single
Birth Date	21-August-1981	BS Degree	Computer Engineering
Country	Iran	MS Degree	Information Technology Engineering
City	Tehran	LinkedIn	linkedin.com/in/mbizhani
Email	mbizhani@gmail.com	GitHub	github.com/mbizhani
Cell	+98 912 3895295	Web Site	www.devocative.org
Experience	13 years in software development and engineering based on Java platform mainly using Spring, Hibernate, Wicket, Maven, JQuery, Oracle Database, Groovy, and DevOps recently		
Interests	'OO Analysis & Design', 'Full-Stack Server-Side Software Development', 'Data Mining, Engineering & Analysis'		

EDUCATION

Degree	Major	Minor	Grad Yr	GPA	University
MS	Information Technology Engineering	Ecommerce	2010	18.08 / 20	K.N. Toosi University of Technology Tehran, Iran http://www.kntu.ac.ir/index.aspx?lang=2&sub=0
BS	Computer Engineering	Software	2004	15.56 / 20	University of Tehran Tehran, Iran http://ut.ac.ir/en

PUBLISHED PAPERS

Bizhani, M., Tarokh, M.J., **"Behavioral rules of bank's point-of-sale for segment description and scoring prediction"**, International Journal of Industrial Engineering Computations (IJIEC), Growing Science, 2011

http://growingscience.com/ijiec/Vol2/IJIEC_2010_25.pdf

Bizhani, M., Tarokh, M.J., **"Behavioral Segmentation of Bank's Point-of-Sale using RF^*M^* Approach"**, IEEE International Conference on Intelligent Computer Communication and Processing (ICCP 2010), 2010

http://ieeexplore.ieee.org/abstract/document/5606461

[PDF] Behavioral rules of bank's point-of-sale for segments description and scoring prediction
M Bizhani, M Tarokh - International Journal of Industrial ..., 2011 - growingscience.com
* Corresponding author. +98 912 3844762, Fax: +9821 22500163 E-mail addresses: mjtarokh@kntu.ac.ir (MJ Tarokh), © 2011 Growing Science Ltd. All rights reserved. doi: 10.5267/j.ijiec.2010.04.002 ... International Journal of Industrial Engineering Computations 2
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Behavioral segmentation of bank's Point-of-Sales using RF* M* approach
M Bizhani, MJ Tarokh - Intelligent Computer Communication ..., 2010 - ieeexplore.ieee.org
Abstract: POSs (Point-of-Sale) are one of the major electronic payment systems in banking industry with more cost. The bank needs to know its customers behavior to find interesting segments to attract more transactions which results in the growth of its income and assets.
☆ 〿 Cited by 5 | Related articles   All 4 versions

TECHNICAL SKILL

	Level 1	Level 2	Level 3	Level 4
Programming Language	**Java** **SQL** **HTML** **JavaScript** **CSS**	**Groovy & DSL** MDX UML	Less CSS **SASS** ActionScript Shell script	C# C++ C Python
Java & Java EE Platform	Apache **Wicket** **Hibernate** & JPA **Spring** Apache **Maven** **XStream** Servlet & JSP	Java Cryptography **Jackson** for JSON Jasper Report & DynamicJasper Apache **Tomcat** Jetty (for development) Quartz Apache Axis **JUnit** Pentaho Mondrian	EJB 3 GWT Apache Struts JBoss Liferay Selenium Apache MINA Adobe BlazeDS	iText docx4j Apache Ant
Database BI NoSQL	Data Warehouse OLAP	**Oracle DB** (Oracle Workshop I) **HSQLDB**	MySQL H2 Oracle BI	PostgreSQL MS SQL Server Elastic Search
Web	**Easy UI**	**JQuery** Highcharts		Jekyll
OS & related		**Linux** (Debian, Oracle) **Bundle app as RPM**	**VMware ESXi**	Docker
Miscellaneous	OO Design & Analysis Subversion	Magic Draw (UML CASE Tool) Data Mining (Weka, IBM Modeler) **Git & GitHub** Sonatype Nexus	Scrum Kanban Adobe Flex	ASP.NET Delphi

* **Level1**: highest knowledge, **Level4**: lowest knowledge

* green ones: using in current projects

* red ones: learning

WORK EXPERIENCE

	Company	Start	End	Duration	Role
6	**Fanap** (FanapSoft dept.) http://en.fanap.ir	2015/05	Now	**2** Years & **11** Months	Senior Software Engineer
		Domain: ERP and PaaS **Title**: Head of Data Management & Operation • Developing '**Metis**' for ERP as data management product • Developing '**Ares**' for operation • Server & VM configuration • Product deployment as RPM bundle **Technologies**: Java, Wicket, Spring, Maven, Hibernate, JQuery, Easy UI, Groovy, Tomcat, Oracle DB				
5	**Dotin** (Subsidiary of Fanap & Bank Pasargad) http://dotin.ir/en	2012/03	2015/05	**3** Years & **2** Months	Senior Software Engineer
		Domain: Banking and Financial **Title**: BI & Data Warehouse Technical Leader • Developing software for ETL, BI, Customer Club, and AML • Developing ETL processes to fetch data from main systems and store them in DWH **Technologies**: Java, Wicket, Spring, Maven, Hibernate, Easy UI, Groovy, Tomcat, Oracle DB, Mondrian, JQuery				
4	**Fanap** (Subsidiary of Bank Pasargad) http://en.fanap.ir	2008/03	2012/02	**4** Years	Senior Java Developer
		Domain: Banking and Financial **Title**: Senior Java Developer in E-Payment Switch • Developing a web application as the UI for the E-Payment Switch • Developing use cases and tasks in E-Payment Switch • Developing TMS (Terminal Management System) **Technologies**: Java, Wicket, Hibernate, JQuery, Groovy, Tomcat, Apache MINA, Oracle DB				
3	**Paniz**	2004/12	2008/02	**3** Years & **3** Months	Shareholder, Senior Java & ASP.NET Developer
2	**Javane Software**	2004/04	2004/11	**8** Months	Java Developer
1	**Chapar Shabdiz**	2003/06	2004/03	**10** Months	Java Developer
	Total > 13 Years				

OPEN SOURCE PROJECTS

| **Demeter** | github.com/mbizhani/Demeter |

This project is the basis for my other projects. It is a **full-stack** application and a **container** for any DModules. A **DModule**, which is a business level module and is deployed besides the Demeter, has its own **three tiers** and just focuses on its business-core issues. The **common services** for all DModules are provided by Demeter.

| **Metis** | github.com/mbizhani/Metis |

It is a DModule to create simple **search** and **report** over any JDBC-related data stores. The queries are based on the data store dialect, but now it is used for **SQL** and **EQL**, which is **semi-entity-based SQL** where instead of table and column names, their equivalent entity and property names are used. It also provides **OData** REST for the searches out-of-the-box.

| **Ares** | github.com/mbizhani/Ares |

It is a DModule to help **operation** team and make it possible for other teams to access operation severs in a **web-based environment** with controlled and limited commands.

For operation team:
- A center for all the **information of servers, services, and system users**
- Web-based **terminal console for Shell and Database**
- **User-defined commands** to handle daily jobs with ease and safety

For other teams:
- If they want special operation services such as schema backup, copy or VM-related issues, the necessary commands can be defined with access grant to do their jobs whenever they want

| **Wickomp** | github.com/mbizhani/Wickomp |

This project is designated for a **collection of Wicket components**, widely used in Demeter and the DModules for web-tier. For most of components a **JQuery plugin** is developed. For **WebSocket** and push-data mechanism, the integration classes are also developed. The list and class-diagram of the components are in the project website.

| **Devolcano** | github.com/mbizhani/Devolcano |

"Effective development needs efficient tools" is the main idea of this project. It tries to handle 'just-CRUD-code generation', 'generated-code merge', 'hibernate-schema generation', and other tools via Maven plugins.