



Farouk BEN GHARSSALLAH

Java, J2EE Intermediate Engineer [OCA8]

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2074, El Mourouj1

Ben Arous - Tunisia

PERSONAL SKILLS

● JOB RELATED SKILLS

Programming languages: Java JDK8, HTML5, CSS3, JavaScript, SQL, PL/SQL, TypeScript

Frameworks and Technologies: JavaEE7, SpringBoot, Spring MVC, Spring webflux, Reactive streams, Angularjs/2, ReactJS, Docker, Kubernetes, JQuery, JSP, Servlet, XHTML2, JSF2, EJB, Hibernate, JPA, PrimeFaces5, JQuery, AngularJs, Spring, AspectJ, RMI, Sockets, SoapWS, RestWS, RestAPI, JWT, OAuth 2.0, JUnit, Jenkins, Hadoop, Cloudera, Spark, Hadoop MapReduce, SparkRDD, SparkSQL, SparkDStream, SpringSecurity, Facebook API, shell, OpenSsl, Vsftpd, Squid Proxy, eCap, Apache, Apache Tomcat, Jboss, Vncserver, Webdav, Caldav, Cardav, SMTP, IMAP, WOPI, Collabora, Google Analytics

Programming tools: Eclipse, Jasper Soft Studio, Talend, Toad, TortoiseSVN, Git, Putty, Filezilla, Bugzilla

DBMS: Oracle, Mysql, PostgeSQL

Design Patterns: Proxy, Decorator, Composite, Command, Template, Factory, Prototype

Modeling languages: UML

Github: github.com/FaroukBENGHARSSALLAH

Maven: mvnrepository.com/artifact/com.github.faroukbengarssallah

Certifications: Oracle OCA8 certification

● LANGUAGES

English: good skills, B1 delivered by British Council

French: fluent

German: academic notions

Arabic: mother tongue

● EDUCATION

September 2010/July 2014 Computer Engineering Degree

Tunis-Tunisie *Tunis El-Manar University, software engineering*

September 2008/ July 2010 Preparatory Education

Monastir-Tunisie *Monastir University, Mathematics and Physics*

July 2008 Bachelor in Mathematics

Benguerdane-Tunisie *Benguerdene2 High-school, Honor mention*

WORK EXPERIENCE

October 2017 Tunis - Tunisia

Globe Services

Project: Implementation of a technical support platform for Globe Service technical staff

Profile: Java/J2EE Software engineer

Tasks:

- Modelling and Implementing applicative entities using JPA2 et Spring Data
- Structuring, implementation and integration of different modules using; Webdav, Cardav, SMTP, IMAP and Spring Boot2.2
- Adding a responsive PDF support for technical adaptable for all devices resolutions by Bootstrap 3 and JQuery2
- Coupling CRM Java Web site and Nextcloud stockage space using Webdav and Apache JackRabbit

- Mail sending feature using JavaMail, SMTP and IMAP protocols
- Securing the platform by Spring Security and roles specifications
- Addition of HTTPS protocol and addition of SSL certification to secure the domain name

Technologies: Java JDK8, Rest API, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Ajax, SQL, JPA2, Hibernate, Merise, SpringBoot2.2, Bootstrap3, SpringSecurity, shell, Apache Tomcat, Vncserver, Filezilla, SMTP, IMAP

Project: Implementing a web site to supervise a public cloud

Profile: Java/J2EE Software engineer

Tasks:

- Structuring, implementation and integration of different modules using Spring Boot2.2, JPA2 and Spring Security

Technologies: Java JDK8, Rest API, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Ajax, SQL, JPA2, Hibernate, Merise, SpringBoot2.2, Bootstrap3, Spring Security, shell, Apache Tomcat, Vncserver, Filezilla, SMTP, IMAP

Project: Implementation of a web CRM of health services management with Spring Boot1.5, JPA2 and Spring Security

Profil: Software enginner Java/J2EE

Tasks:

- Proposal to develop a CRM solution in Java coupled with Nextcloud and Collabora instead of a CRM in PHP
- Structuring, implementation and integration of different modules; Webdav, Caldav, Cardav, SMTP, IMAP, WOPI and Collabora using Spring Boot1.5, JPA2 and Spring Security
- Coupling CRM Java Web site and Nextcloud Stockage space using Webdav and Apache JackRabbit
- Supporting Collabora File edition without the need to use Nextcloud container by implementing WOPI protocol and Nextcloud
- Contacts List synchronisation with Nextcloud Contact App using Java ez-vcard and Carddav
- Task Management with FullCalendarJS and realtime synchronisation with Caldav
- Mail box access and sending feature using JavaMail, SMTP and IMAP protocols
- Optimization and bug fixes
- Addition of HTTPS protocol and addition of SSL certification to secure the domain name
- Associating a Messenger chatbot with the linked Facebook Page by Facebook Messenger API
- Linked Facebook Page Fans interactions data insight using Facebook Graph API v2.12
- Proposition and starting analyzing Apache HTTP Server log files for keeping track of possible prospects

Technologies: Java JDK8, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Ajax, SQL, JPA2, Hibernate, Merise, SpringBoot1.5, Bootstrap3, SpringSecurity, shell, Vsftpd, Apache, Apache Tomcat, Vncserver, Filezilla, SMTP, IMAP, Webdav, Carddav, Caldav, WOPI, MySQL, Facebook Messenger API, Graph API v2.12

Project: Optimizing a web platform for statistics on cellular networks using Spring MVC1.3, Spring Boot1.5, JPA2 and Spring Security

Tasks:

- Bug fixes and application code rewrite by applying Spring MVC1.3
- Migration to Java8 and JPA2 to use Java8 Time API, Streams and expression lambdas
- Optimization of server response time; from 4.23s to 55.64ms by Ajax
- Optimization and integration of the cellular network data collection application via Java Quartz and Android

Technologies: Java JDK7/8, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Ajax, SQL, JPA, Hibernate, Merise, SpringMVC, Bootstrap3, SpringSecurity, SpringSocial, Facebook API, shell, Vsftpd, Apache, Apache Tomcat, Vncserver, Filezilla, MySQL, Squid Proxy, eCap

Project: Implementation of marketing tools using Spring MVC1.4, Spring Boot1.5, Spring Security and JPA2

Tasks:

- Structuring, implementation and integration of backend parties; ad management, SpringBoot1.5 and Google Analytics, and the Spring MVC1.4 and Bootstrap3 ad serving portal
- Encoding user data request parameters values for security and confidentiality reasons
- Adaptation and compression of web page to different mobile devices by the CSS tool @MediaQuery
- Support of Spring Social and Facebook, Twitter, Instagram and Google APIs
- Frontend web resource compression and 20% server response time optimization; from 72ms to 15.88ms

- Introduction of HTTPS protocol and addition of SSL certification Technologies: Java JDK7, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Ajax, SQL, JPA, Hibernate, Merise, SpringMVC, Bootstrap3, SpringSecurity, shell, Apache, Apache Tomcat, Vncserver, Filezilla

Technologies: Java JDK8, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Ajax, SQL, JPA, Hibernate, Merise, SpringMVC, Bootstrap3, SpringSecurity, Shell, Apache, Apache Tomcat, Vncserver, Filezilla; Google Analytics, SSL

October 2014 Tunis - Tunisia

DOUBLETRADE TUNISIE,

Project: Integration of the responsive design clipone library in the JSF2 presentation framework

Profile: Junior R&D software engineer

Tasks:

- Migration of the library to support the Clipone theme
- Implementation of the list of components with application support
- Execution of a set of test cases on the components implemented in web prototypes
- Integration of implemented and tested components in a showcase

Technologies: Java JDK6, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Ajax, SQL, JPA, Hibernate, UML2, Oracle, Toad, Bugzilla, TortoiseSVN

March 2014 Tunis - Tunisia

DOUBLETRADE TUNISIE

Project: Coupling of the Bootstrap design responsive library and the JSF2 presentation framework

Profil: R&D Software Engineer Intern, Graduation Project

Tasks:

- Search and integration of JSF2 core and Bootstrap 3
- Proposal of a possible solution supported by an application prototype
- Implementation of some components with application support
- Compression and optimization of web resources of the library

Technologies: Java JDK6, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Oracle 10g, Toad, TortoiseSVN

July 2012 – August 2012 Ariana - Tunisia

YASMINA ENGINEERING SYSTEMS

Project: A web prototype development for maritime insurance

Profil: Software engineer intern

Tasks:

- Development of a prototype of a website for marine insurance services
- Research and integration of .Net technology; C # and ASP.net
- Implementation of indicated modules and application code optimization

Environment: C#, ASP.Net, SQLServer, EntityFramework, WPF, WCF, CSS, Javascript, HTML

REFERENCES

PERSONAL REFERENCES

- **VPS:** *server-dev-alpha.herokuapp.com*
an ubuntu remote host installed on a docker container using my Heroku Docker registry {Docker, Dockerfile, Shell, Bash, x11vnc}
- **Quod:** *quod-dev-alpha.herokuapp.com*
a search engine and analysis charts on financial statements {@Controller, @Component, @Autowired, @RequestMapping, DispatcherServlet, ModelAndView, ChartJS, Spring}
- **Vidulum:** *vidulum-dev-alpha.herokuapp.com*
an option trading simulation platform {@Controller, @Component, @Autowired, @RequestMapping, DispatcherServlet, ModelAndView, ChartJS, Spring, AngularJS}
- **Hashtag:** *hashtag-dev-alpha.herokuapp.com*
a search engine and analysis charts on twitter hashtag {@RestController, @Component, @Autowired, @RequestMapping, DispatcherServlet, ModelAndView, Spring boot, Spring social Twitter }
- **Speculum:** *speculum-dev-alpha.herokuapp.com*
a web magazine {@RestController, @Component, @Autowired, @RequestMapping, DispatcherServlet, ModelAndView, Spring}

- **Kontu:** *kontu-dev-alpha.herokuapp.com*
a financial account manager { @RestController, @Component, @Autowired, @RequestMapping, DispatcherServlet, ModelAndView, SpringBoot }
- **Fiscus:** *fiscus-dev-alpha.herokuapp.com*
an ETF 360° Dashboard { @RestController, @Component, @Autowired, @RequestMapping, DispatcherServlet, ModelAndView, SpringBoot, ChartJS }
- **financial-ratio:** financial ratios APIs calculator { β , Q, Liquidity, ... }
reference: *github.com/FaroukBENGHARSSALLAH/financial-ratio*
reference: maven; `<groupId>com.github.faroukbengharssallah</groupId>
<artifactId>financial-ratio</artifactId>
<version>0</version>`
- **java-bigdata:** Big Data APIs {Hadoop MapReduce, Spark RDD, Mlib, DStream }
reference: *github.com/FaroukBENGHARSSALLAH/java-bigdata*
- **java-persistence:** Persistence, ORM APIs {JDBC, Hibernate, JPA, Spring Data}
reference: *github.com/FaroukBENGHARSSALLAH/java-persistence*
- **rss-parser-lib:** RSS Feed data extractor API {Java7, Maven3}
reference: *github.com/FaroukBENGHARSSALLAH/rss-parser-lib*
reference: maven; `<groupId>com.github.faroukbengharssallah</groupId>
<artifactId>rss-parser-lib</artifactId>
<version>0</version>`
- **Google Sites:** *sites.google.com/site/faroukbengharssallah*
sites.google.com/site/faroukbengharssallah
- **Wordpress:** *faroukbengharssallah.wordpress.com*
- **Github:** *github.com/FaroukBENGHARSSALLAH*
- **Skype:** *farouk_gharssallah*
- *DeepHack Artificial Intelligence Hackathon*
- *Facebook Community Challenge*
- *Oracle Certification OCA8*

● COMMUNITIES

- Cogite Coworking Space alumni
- Facebook Tunis Circle member
- former Info+ et .Net+ clubs member