|  |  |
| --- | --- |
| capture | **Farouk BEN GHARSALLAH** |
| **Java, J2EE Intermediate Engineer [OCP8]** [**faroukbengharssallah.github.io/portfolio**](http://faroukbengharssallah.github.io/portfolio)  **quod.onrender.com** |
| **GSM: 5142452902**  **Mail: farouk.bengarssallah@gmail.com**   |  |  | | --- | --- | |  |  |   **7861 Rue Denise LaSalle H8N 2A5**  **Montreal - Canada** |
| **PERSONAL SKILLS** |  |

* **JOB RELATED SKILLS**

**Programming languages:** JDK17, REACT18,ANGULAR17,HTML5, CSS3, TYPESCRIPT,SQL **Frameworks and Technologies:** RESTAPI, MAVEN3, SPRING-BOOT3.1, SPRING-WEBFLUX5.3, NODEJS19, SPRING-SECURITY-OUATH2, PROJECT- JDK17, NPM8.1, REACT-REDUX8, REACT-ROUTER6.3, TYPESCRIPT4.1, RESTAPI, MAVEN3, SPRING-BOOT3.1, SPRING-WEBFLUX5.3, SPRING-SECURITY-OUATH2, PROJECT-REACTOR3.4, REACTIVE STREAMS, FORMIK2.2, JEST29, ENZYME3.1, ESLINT8.1, SASS15, AXIOS0.2, STORYBOOK6.5, OPEN-GENERATOR-API5.4, SHELL, GIT, GITHUB-ACTIONS3.5, MOUNTEBANK2.8, WIREMOCK2.3, MAPSTRUCT1.5, MOCKITO4.0, JUNIT5.8, ASSERTJ3.2, DOCKER20.10, KUBECTL1.24, VAULT1.9, SONAR 9.4, SPLUNK8.2, NEXUS, DATADOG, LENS 5.5, AWS, OUATH2, OPEN-ID, OKTA, JIRA FLOW, AGILE, INTELLIJ

**DBMS:** ORACLE, MYSQL, POSTGRES

**Modeling languages:** UML

**Gihub:** github.com/FaroukBENGHARSSALLAH

**Maven:** mvnrepository.com/artifact/com.github.faroukbengharssallah

**Certifications:** Oracle OCP8 certification

* **LanguAGES**

**English:** good skills, B1 delivred 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 EXPERIENCEP

**November 2024 – Present Montréal - Canada**

**Cofomo Developpement Inc.**,

**Project:** Implementing Spring Boot micro services within a mission for BNP Paribas

**Profile:** Java/J2EE Software engineer

**Missions and tasks:**

* Contribute to finish JIRA tickets in Backend

**September 2021 – May 2024 Montreal - Canada**

**Levio Conseils Inc**

**Project:** Implementing Spring Boot micro services within a mission for National Bank of Canada

**Profile:** Java/J2EE Software engineer

**Results:** Participate in the implementation of micro-service chains:

***gcc-event-producer*** by SpringBatch iterates through the SQLServer database the organization and user creation lines and sends a synchronous http request to ***gcc-products*** that dispatches an asynchronous request by a Kafka broker to ***holding-api***. The latter enriches the payload with a synchronous call to the domains and transmits it this time by an asynchronous request by a kafka broker to ***subscription-api*** that sends a message in the SQS queue between it and ***subscription-orchestrator***. This API intercepts and transforms the message into a synchronous blocking http request to the ***Backbase*** APIs. accounts-api contacts the domains by a non-blocking webclient to return to the ***Backbase*** APIs the balances of a list of accounts. hybrid-menu-access connects to an Oracle database to retrieve the ***Backbase*** Angular SPA UI menu items of such a user

**Missions and tasks:**

* Contribute to finish JIRA tickets in Backend
* Analysis of the existing; the source code
* Implementation of an architecture of controllers, handlers, and integration of web clients with Java11/17 and SpringBoot2/3
* Implementation of asynchronous JMS broker in Kafka
* Support of JMS broker by a SpringBoot adapter
* Implementation of unit tests and integrations with Junit and Mockito
* Preparation of Mountebank mocks and start Docker images and for a local test
* Correct Sonar codeSmells
* Writing PullRequest in GithubActions
* Code Review for colleagues PullRequests
* Migrate some micro services to Java17 and SpringBoot3
* Deploy the code in the IT and TA test environments
* Analyze Splunk logs

**Project:** Contribute to the implementation of a SPA in React for the management of password, email and the secret question of the client for a mandate at the National Bank of Canada

**Result:** Layout of the React components targeted for the SPA

**Missions and tasks:**

* Take charge of JIRA tickets in Frontend
* Analysis of the existing; the source code
* Coding the components by the inheritance of ReactComponent
* Verify the components in the browser
* Implementation of unit tests with Jest/Enzyme
* Use of redux framework and react router
* Writing PullRequest in Github actions
* Code review of PullRequests of colleagues

**Technologies:** JDK17, RestApi, SpringBoot3, Spring Batch, SpringWebflux5, ReactiveStreams, SpringSecurity, OpenGeneratorApi5, GithubActions3, MapStruct, SQL, Oracle, MySQL, Docker, Kubectl, Lens5, Vault, Sonar9, Splunk8, Nexus, DataDog, Ouath2, Okta, Junit5, Mockito,Mountebank2, Node19, Npm8, typescript4, React18, RecatRouter6, EsLint8, Jest29, Enzyme3, AWS SQS

**October 2017 - May 2021 Tunis - Tunisia**

**Globe Services**

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

**Profile:** Java/J2EE Tech Lead

**Missions and 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 plateform 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, Boostrap3, SpringSecurity, shell, Apache Tomcat, Vncserver, Filezilla, SMTP, IMAP

**Project:** Implementing a web site to supervise a public cloud

**Profile:** Java/J2EE Software engineer

**Missions and 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, Boostrap3, 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

**Missions and 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-vcrad and Carddav
* Task Management with FullCalendarJS and realtime sysnchronisation 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, Boostrap3, 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

**Missions and 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, Boostrap3, 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

**Missions and tasks:**

* Structuring, implementation and integration of backend parties; ad management, SpringBoot1.5 and Google Analytics, and the Spring MVC1.4 and Boostrap3 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 certificationTechnologies**:** Java JDK7, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Ajax, SQL, JPA, Hibernate, Merise, SpringMVC, Boostrap3, SpringSecurity, shell, Apache, Apache Tomcat, Vncserver, Filezilla

**Technologies**: Java JDK8, Maven3, Apache Tomcat7, CSS3, HTML5, JQuery2, Ajax, SQL, JPA,  
Hibernate, Merise, SpringMVC, Boostrap3, SpringSecurity, Shell, Apache, Apache Tomcat, Vncserver, Filezilla; Google Analytics, SSL

**September 2015 - September 2017 Tunis - Tunisia**

**Job search and personal training**

**September 2014 - August 2015 Tunis - Tunisia**

**DOUBLETRADE TUNISIE**,

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

**Profile:** Junior R&D software enginner

**Missions and 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 - August 2014 Tunis - Tunisia**

**DOUBLETRADE TUNISIE**

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

**Profil:** R&D Software Enginner Intern, Graduation Project  
 **Missions and tasks**:

* Search and integration of JSF2 core and Boostrap 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 ENGINNERING SYSTEMS**

**Project:** A web prototype development for maritime insurance

**Profil:** Software enginner intern  
 **Missions and 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, Javascipt, HTML

## REFERENCES D

* **Wordpress:** *faroukbengarssallah.wordpress.com*
* **Github:** github.com/FaroukBENGHARSSALLAH
* **Skype:** *farouk\_gharssallah*
* *DeepHack* Artificial Intelligence Hackathon
* *Facebook Community Challenge*
* *Oracle Certification OCP8*