Mohamed Firas Barrek

Civil status

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Nationality	Tunisian
Family situation	Single
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Trainings and diplomas

2015 – 2017	4th year cycle engineer in computer science "ESPRIT".
2012 – 2015	Degree in Management Computer Science "FSEGT".
2011 – 2012	Baccalaureate Diploma in Mathematics Main Session.

Professional experience

July-August 2016
Internship at the GEISER company of the UTIC group (2 months).
Description: Implementation of a VOIP phone solution on the "Asterisk" server.

July-September 2015
Contractual in the human resources department in the "National Pedagogical Center" (3 months).
Description: Work in the HR department, management and allocation of salaries and travel on the internal system of the company, creation and integration of a database with Excel.

February-June 2015
Internship at the CNI IT Center (5 months).
Description: Design and implementation of an archiving solution for the IT department. Web application created in JEE with EJB, JPA, JSF and JBOSS localhost.

July-August 2014
Internship at the BFI company (2 months).
Description: Web application in JEE with the Spring Framework, JSP and Tomcat localhost.

Competences

Programming Languages	JAVA, PHP, C, C#, JAVASCRIPT, .NET.
Data base	MySQL, MongoDb.
Web development	HTML5, CSS3, JAVASCRIPT, AngularJS, NodeJs, PHP Symfony2, JEE, MeanStack.
Networks & simulations	GNS3, Packet Tracer, VOIP.
Operating system	Linux, Windows.
Mobile	Android, J2ME.
Method of development	Méthode Agile (SCRUM).

Academic Projects

Corda Mean – 2017

MEAN stack website for financial transactions.
__Description__: Allows users to transfer money between two banks using the blockchain technology and the Corda platform.
This project is developed with:
• Java for the creation of the Rest API on Corda web service.
• NodeJs for the Backend part.
• AngularJs for the Frontend part.
• Database: MongoDb
• Express server
GitHub tool is used throughout this work.

Referral Recruitment – 2017

Application Multi-Platform Recruitment.
__Description__: Allows users to postulate new job offers and facilitate the process of recruiting candidates for companies by CV_Profiling and Quiz.
This project is developed in:
• JEE for the creation of Rest API.
• Asp.Net for the Backend part.
• AngularJs 1 for the Frontend part.
• Ionic for the mobile part
• Database: MySQL
The SCRUM method (agile methods) and the GitHub tool for project integration are used throughout this work.

CrowdRise – 2016

Web platform, JAVA application and J2ME mobile application for crowdfunding and crowdsourcing.

Description: An application consisting mainly of two modules:
Crowdfunding to submit projects (personal, professional, etc.).
Crowdsourcing to post technical problems and seek individuals online to solve them.
It also allows you to vote for a project or an idea, communicate with other users, send emails, share an idea on social networks and fund an online project.
This project is developed in:
• PHP symfony2 for the web part with the Mysql database.
• J2ME (java) for the mobile part with web services in php and parserXML in order to ensure the communication with database.
• JavaFX for the Desktop part using the SceneBuilder for interface creation.
The SCRUM method (agile methods) and the GitLab for the integration of the project are used throughout this work.

Youth Home – 2016

Designed a network topology of youth homes and deployed the project on the GNS3 emulator with IPv4 and IPv6 addressing, static routing and dynamic routing, and private and public roads.

Archive – 2015

Design and development of an archiving solution for the Computing National Center.

Description: This is a JEE application developed with EJB, JPA and JSF technology. It allows user to archive files with a duration of more than 5 years to lighten the system database and to trigger the action of the inventory at the end of the year. It also contains a user traceability system.

Professional Projects

Blob Services – 2017

Web application for import and export company BlobServices.
<u>Description</u>: This project displays all categories of services offered by the company and the products available for each category.
This project is developed with:
• PHP for creating web services.
• AngularJs 1 for the consumption of web services and Frontend.
• Database: MySQL.

Phone book – 2016

Web Platform for GEISER.
<u>Description</u>: This application allows to display, search, add, modify and delete the telephone extension numbers of employees within the company. It also allows you to import and export a ".CSV" files compatible with "Asterisk" phone devices and to load or extract it from Mysql database.

VOIP Network– 2016

Design and deployment of a VOIP phone network on the "Asterisk" server and integrate it with Getway Tunisie Telecom from Geiser.

Android Development – 2015

An android training with the Insat Android Club and participation in an android challenge with a SmartCompus application.
<u>Description</u>: This application allows the creation and sharing of events for students on a university campus.

Languages

Arab   Mother language

English   **Read, Write, Talk**

French   **Read, Write, Talk**

Hobbies

Soccer

Bodybuilding

Swimming

Reading

Music