

**G | B**

GHASSEN BEN CHEIKH BRAHIM

— JAVA Developer Engineer —

PROFESSIONAL EXPERIENCE

2016 – Current

CIVIL AVIATION AND AIRPORTS AUTHORITY (OACA), TUNIS

TEAM-LEADER AND JAVA / J2EE DEVELOPER ENGINEER

From 03/2021 To 01/2022

Project : Participate in the implementation of a central depot for the management of airport operations (AODB) for the benefit of Tunisian airports:

In order to guarantee the availability and integrity of operational data which was subsequently interfaced with external applications via a REST API, the Central IT Department in coordination with the Central Operations Department assigned me to the work team in charge of setting up an airport system for the centralized management of operational information (AODB) allowing, moreover, the provision of flight data in real time, facilitating the integration and control of the planning of scheduled flights , resource allocation and billing.

Technical Environment: SPRING BOOT – ANGULAR – BOOTSTRAP – MATERIAL-UI – CSS3 – HTML5 – JS – JWT – JSON – JQUERY – MONGO – REST API – GIT (Bitbucket) – SCRUM – MAVEN.

Software Environment: Visual Studio Code – IntelliJ – PowerDesigner – Apache TomCat.

From 11/2020 To 03/2021

Project : Design and implement a management application for the computer park under the various ATS units of the OACA (central and local air navigation units within Tunisian airports):

In order to strengthen the infrastructure of the information system (IS) of the OACA while basing itself on the adoption of best practices in terms of monitoring and evaluation of material and software resources, the Central IT Department entrusted me with the task of designing and developing a centralized web application to properly manage the computer equipment belonging to the various ATS (Air Traffic Services) units of the OACA.

Technical Environment: SPRING BOOT – ANGULAR – BOOTSTRAP – MATERIAL-UI – CSS3 – HTML5 – JS – JWT – JSON – JQUERY – MONGO – REST API – GIT (Bitbucket) – SCRUM – MAVEN.

Software Environment: Visual Studio Code – IntelliJ – PowerDesigner – Apache TomCat.

From 05/2020 To 10/2020

Project : Implementation of a WebMapping solution for making aeronautical charts:

In order to ensure the proper functioning of the management procedures for the preparation of aeronautical charts, the Air Navigation Directorate (DNA) asked me to develop a WebMapping platform allowing the digital display of flight procedures (aeronautical charts), aeronautical information relating thereto as well as trajectories of the various phases of flight of the aircraft; and this in order to obtain an optimal display of the data on the map.

Technical Environment: JAVA 8 – ANGULAR – NODE JS – EXPRESS JS – JSON – BOOTSTRAP – MATERIAL-UI – CSS3 – HTML5 – JS/TS – JWT – GIT (Bitbucket) – JQUERY – MONGO – REST API – POSTGRESQL – HIBERNATE – LEAFLET API – SHP – SIG – SCRUM.

Software Environment: Visual Studio Code – Robo 3T – PowerAMC – Postman – ArcGis.

From 01/2020 To 05/2020

Project : Development of a WebMapping application that allows management of aeronautical easement plans relating to Tunisian airports:

Given the excessive multiplication of construction requests and given the absence of an interactive information system specifying the prohibited areas as well as the maximum admissible heights, the Airports Operation Department (DEA) asked me to implement a WebMapping solution allowing to delimit areas within which the heights of the different constructions will be regulated.

Technical Environment: SPRING BOOT – ANGULAR – BOOTSTRAP – CSS3 – HTML5 – JS – JWT – JSON – JQUERY – POSTGRESQL – LEAFLET API – SHP – GIT (Bitbucket) – SIG – SCRUM – MAVEN.

Software Environment: Visual Studio Code – IntelliJ – PowerAMC – Apache TomCat – ArcGis.

From 03/2019 To 11/2019

Project : Implementation of a WebMapping platform that generates areas of prohibitions or restrictions for drone overflight on the web map (API Leaflet) of the FIR (Flight Information Region) of Tunis:

In order to provide drone operators with a better visualization of the prohibited areas (with special and regulated status) of the FIR (Flight Information Region) map of Tunis and in order to plot the portions of airspace in which they wish to operate their own drones; I was entrusted with the design and implementation of a WebMapping solution to properly manage drone activities inside Tunisian airspace.

Technical Environment: JSP – BOOTSTRAP – CSS3 – HTML5 – JS – AJAX – JQUERY – POSTGRESQL – LEAFLET API – SHP – GIT (Bitbucket) – SIG – 2TUP.

Software Environment: Eclipse STS – PowerAMC – Apache TomCat – ArcGis.

From 02/2018 To 07/2018

Project : Design and production of a WebMapping application allowing air traffic controllers to visualize the different portions of airspace announced by NOTAM:

In order to improve the elaboration of air traffic controllers aeronautical protection maps process, I was entrusted to set up a WebMapping application visualizing different portions of airspace announced by NOTAM (Notice To Air men) range "W" (Navigational Warning).

Technical Environment: JAVA 7 – JSP – BOOTSTRAP – CSS3 – HTML5 – JS – AJAX – JQUERY – MySQL – HIBERNATE – GOOGLEMAPS API – SHP – GIT (Bitbucket) – SIG – 2TUP.

Software Environment: Eclipse Oxygen – PowerAMC – Apache TomCat – Xampp – Notepad++.

From 06/2017 To 12/2017

Project : Establishment of a JAVA WEB application for the management of air navigation employees:

In order to improve the working methods adopted by all air navigation employees within the various ATS (Air Traffic Services) units and which are currently based on :

- ❖ The collection and storage of employee personal data,
- ❖ Planning and monitoring of training actions (training program, evaluation sheets, etc.),
- ❖ Acquiring and maintaining qualifications (medical examinations and language tests);

the Air Navigation Directorate (DNA) asked me to develop and implement an interactive web application to manage more effectively the three modules mentioned above.

Technical Environment: JAVA 7 – JSP – SPRING CORE – SPRING MVC – SPRING IoC – SPRING SECURITY – i18n – GIT (Bitbucket) – BOOTSTRAP – CSS3 – HTML5 – XML – JS – AJAX – JQUERY – MySQL – JPA/(HIBERNATE) – MAVEN – 2TUP.

Software Environment: Eclipse STS – PowerAMC – Apache TomCat – Xampp.

From 10/2016 To 05/2017

Missions : Implementation of safety nets (Radar Safety-Nets) analysis and treatment application; deployment of the aircraft movement management application (NAVIX) and participation in training, configuration and parameterization teams work related to Qualipro XL WEB software that manage the quality documentary system. For this purpose, I was assigned to:

- ❖ Design and develop a JAVA SWING application allowing collection and analysis of raw data related to safety nets issued from AIRCON2100 radar processing system (STCA: Short Term Conflict Alert, MSAW: Minimum Safe Altitude Warning and APW: Area Proximity Warning) ,
- ❖ Integrate the IT team responsible for the deployment of NAVIX application related to aircraft movements management for the benefit of the ARO local control office at Tunis-Carthage International Airport (AITC). This application has been developed in PL / SQL on Oracle 10,
- ❖ Integrate the training and software configuration teams work related to Qualipro XL WEB software that manage the quality documentary system. This software was developed in C #,
- ❖ Work, in Freelance, on JAVA desktop and JAVA WEB applications (inventory / product management, employees management, drafts management, management of withholding taxes, etc.),
- ❖ Supervise bachelor's and master's students and engineers in various specialties: IT, geomatics and topography; and this as part of the completion of PFEs end of studies projects.

Technical Environment: JAVA 6, 7 et 8 – SERVLET – JSP – JSF– JSTL – BOOTSTRAP – CSS3 – HTML5 – JS –JQUERY – GIT (Bitbucket) – PL/SQL – MySQL – SQL SERVER – ORACLE – JPA(HIBERNATE) – C++ – C# – i18n – XML – MAVEN ...

Software Environment: Eclipse – Eclipse STS – NetBeans – ORACLE SQL Developer – CodeBlocks – Visual Studio – Xampp – PowerAMC – EasyPHP – GlassFish – Apache TomCat – Notepad++ ...

2013 – 2016

SECTION HEAD OF ANALYSIS OF SECURITY EVENTS

Since mid-November 2013, mastering the work as an investigator in the Aircraft Accident and Incident Investigation service, I have held the position of head of the safety events analysis section, while ensuring the 'analysis, classification, processing, control and monitoring of the occurrence of security-related events; and this by using the ECCAIRS V5 platform developed by the European Committee which allows us to take the necessary and optimal measures and to prepare the relevant investigation reports.

2012 – 2013

PAID INTERN

Recruited in 2012 by Civil Aviation and Airports Authority (OACA), as a paid trainee within the DNA (Air Navigation Directorate), I made a familiarization tour between the different departments of the direction in question. This tour allowed me to know closely the working procedures adopted by the various departments, to review the main activities of the management and to understand the resulting objectives.

EDUCATION

2016

COMPUTER ENGINEERING
ESIET - Tunis
I was graduated "Very Honorable" as a computer engineering promotion major at the Higher School of Engineers and Technological Studies (ESIET).

2012

AIR TRAFFIC LICENSE
EABA -Tunis
I was graduated "Very Good" as Air Traffic class major at the Borj El Amri Aviation School (EABA).

2009

BACCALAUREATE
January 14th High School - Nabeul
Baccalaureate - Maths section obtained from January 14th high school, Dar Chaabane El Fehri, Nabeul.

CERTIFYING TRAININGS

2019

Dot Net Training (C #) - ST
Training certificate approved by Mrs. Nedia BEN AMEUR, SOFTWAY TUNISIA training manager (ST).
GNU / LINUX distribution Red Hat CentOs
Cloud Computing – SF
In-company training certificate on Cloud Computing organized At SAFIR training center (SF).

2018

ATM Occurrence Investigation and Analysis – EUROCONTROL
Certificate of attendance approved by Mr. A. Wandels the head of the Institute of Air Navigation Services.

2017

State Safety Program (SSP) – UAEGCAA - AFCAC
Certificate of participation in the establishment of an SSP system, approved by the United Arab Emirates General Civil Aviation Authority.

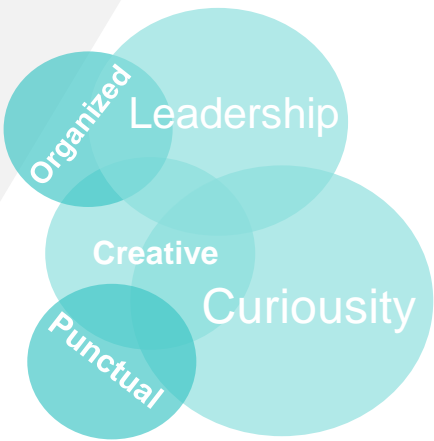
2014

Air Navigation Audit Techniques and Standards (TANA-RANA) –ENAC
Certificates of completion approved by Mr. Marc FOURNIE.

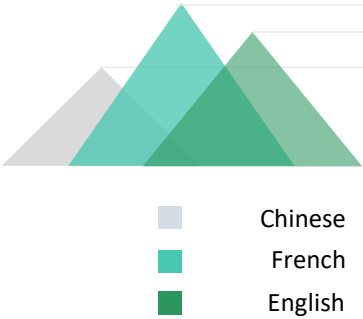
2013

Aeronautical Technical English –TANDEM
Certificate of completion approved by TANDEM center (Level 4).

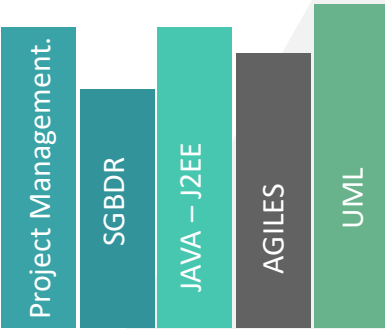
PERSONALITY



LANGUAGES



SKILLS



HOBBIES

