

**Mohamed Bouyahi**  
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## PROFESSIONAL PROFILE

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- Solid professional experience in the field of education
- Strong professional experience in software development
- Good oral and written communication skills in French and English
- Good drafting ability
- Good adaptation capacity
- Personal qualities: listening skills, sense of organization and planning, sense of responsibility, sense of observation, team spirit, ability to analyze and synthesize.
- Languages: French, English

## SKILLS

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- Knowledge and practical experience in project management
- In-depth experience in IoT, C, C++, Java, C# VB, ASP.NET, ASP.NET Core, MVC, MVVM, MVW, TDD, EF
- In-depth experience in Java / J2EE development, Spring, Hibernate, JSP/Servlet
- In-depth knowledge in Angular JS, Angular, GraphQL
- In-depth knowledge in HTML 5, JavaScript, Bootstrap, CSS, Kendo, Telerik
- In-depth experience with MySql, Microsoft SQL Server and Oracle
- In-depth experience with Reporting tools: Report Viewer, Crystal Reports, SSRS
- In-depth experience with tools and methods: Confluence, Jira, TFS, Git, Azure DevOps, Agile
- In-depth experience in Modules ZigBee (XBee) and WiFi (CC3100)
- In-depth experience in Modules of ZigBee Libelium, TelosB and Zolertia
- Pedagogical knowledge in Linux Administration Systems, Networks and Security

## PROFESSIONAL EXPERIENCE

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### Java/J2EE and DevOps Developer

**07/2022- to the present days**

Ministry of Public Security

- Troubleshooting and developing Java/J2EE applications using Spring Boot Framework and RESTful API.
- Using Angular to develop interface user.
- Installation and configuration of Tomcat and Weblogic servers using IaaS.
- Troubleshooting servers Weblogic, Tomcat, Apache, Nginx.
- Creation pipelines CI/CD: Maven
- Creation templates of Infrastructure as Code (IaC) using Terraform.

### Senior Full Stack .Net Developer

**02/2021-07/2022**

Transition Services Conseils, Quebec City

- Design the architecture application My Partner File.
- Development from scratch My Partner File and frontend using custom framework using C# ASP.NET MVC 5.
- Development using RESTful API.
- Using JavaScript.
- Using Unit testing.
- Using the agile method.
- Create the CI/CD pipelines using Azure DevOps platform.
- Creation pipelines of Infrastructure as Code (IaC).
- Creation of Docker images to build and deploy the applications.

**Full Stack Java/J2EE Developer****10/2020-12/2020**

Freelance Wowsante, Quebec City

- Development of wowsante website using Java/J2EE, Spring Boot Framework, Angular and RESTful API.
- Using Spring Security in Authentication.
- Using Hibernate to represent the model of the database.
- Using the database MySql.

**Senior Full Stack .NET Developer****01/2019-09/2020**

ProContact. Inc, Quebec City

- Functional and organic analysis using Confluence and Jira.
- Development and maintenance of Cristal-Net modules in .Net Web API (C#.NET and VB.NET).
- Manipulation of the Azure DevOps platform.
- Manipulation and maintenance of Service WCF.
- Manipulation of the APIs Kendo UI and PdfTron.
- Using the agile method.
- Development of Views, Synonyms and Store Procedure in SQL Server.
- Project code review.
- Unit and integrate test of projects.

**.NET Developer****05/2018-10/2018**

Systematix. Inc, Quebec City

- Deploy the GPMO project logging module in VB.NET.
- Realization of SOAP services with JavaScript for Adobe Acrobat DC forms.
- Deploy the SSRS report module of the VSR project in ASP.NET (C#.NET).
- Development of Oracle packages in PL / SQL.
- Maintenance solutions develop.
- Using the agile method.
- Project code review.
- Unit code test of projects.

**C++ Trainer****02/2018-03/2018**

LEADER Training Centre, Tunisia

- Prepare Courses and exercises.
- Teach the C++ language.

**.NET Developer****09/2016-02/2018**

Tunitrack, Tunisia

- Development and maintenance solutions Asset Management, and Input Management Output in C#.Net, Web API, MVC and Entity Framework.
- Development of Views, Synonyms and Store Procedure in SQL Server.
- Conception of database using the modelling language UML.
- Project code review.
- Project code test.

**Embedded C & Java/J2EE Developer****07/2015-07/2016**

National School of Engineering of Tunis, Tunisia

- Development of intranet application for wireless sensor management using Java/J2EE (Servlet and Hibernate).
- Development using Web Service REST.
- Development of a civil engineering structure damage detection module in an MSP432 board and Shield Module CC3100 (WiFi) with the Energia tool using the Internet of Things (IoT) to transmit the packet to the server Using embedded C language.
- Development of finite element methods, Jerk-Energy damage localization algorithms and sub-space estimation using embedded C language.

- Development and implementation of embedded C test programs.
- Conception and development of tables in the Oracle database.

#### **Assistant Professor**

**09/2009-06/2016**

Faculty of Juridical, Political and Social Sciences of Tunis, Tunisia

- The undergraduate level course of Internet and Informatics Certificate

#### **.NET Developer**

**09/2012-06/2015**

Faculty of Legal, Political and Social Sciences of Tunis, Tunisia

- Development of Master management using C# and SQL server database.
- Generation of certificates of diplomas and certificates of achievement, list students, Masters, teachers, admitted, Registration, Attendance using Cristal reports and Report Viewer.
- Import and Export from Excel, FileMaker.
- Development and maintenance of tables in the SQL Server database.

#### **Assistant Professor**

**05/2015**

National School of Engineering of Tunis

- Laboratory design and evaluation of Microprocessor for graduate level students

#### **Assistant Professor**

**09/2014-01/2015**

Faculty of Sciences of Bizerte, Tunisia

- Laboratory design and evaluation of Design and Audit for undergraduate level students

#### **LPI Trainer**

**10/2011-01/2013**

Francophone National Center, Trainux, Central University, Tunisia

- Graduate and undergraduate level course and Laboratory design of Linux Professional Institute.
- Teach system and network administration, GNU command, scripting and C language.
- Troubleshooting of system and network.

#### **Embedded C Developer**

**07/2011-07/2012**

National School of Engineering of Tunis, Tunisia

- Development of the CTP routing protocol in an MSP430 microcontroller using the CC3100 (Wifi) radio, Xbee (ZigBee) using C embedded in Contiki OS.
- Development of synchronization between wireless nodes and Auto-configuration of wireless nodes with IP addresses: Internet of Things (IoT).
- Design methodologies for routing packets to the destination with minimal energy using C language.

#### **C Developer**

**07/2009-03/2011**

National School of Engineering of Sfax, Tunisia

- Development of quality of service in the MAC layer using C languages.
- Integrate the new code into the existing open-source code.

#### **Assistant Professor**

**01/2008-06/2008**

University of Sousse, Tunisia

- Laboratory design of Linux and advanced data structure and algorithm for graduate level students.

### **CERTIFICATION**

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- Linux Professionnel Institut LPI-304  
<https://cs.lpi.org/caf/Xamman/certification>  
ID LPI : LPI000218285, Verification code : nm4qv9sg7d
- Oracle Certified Expert: Java EE 6 Web Component Developer (OCEWCD)  
<https://youracclaim.com/users/mohamed.bouyahi>

### **PREPARATION FOR CERTIFICATION**

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- AZ-204 Developing Solutions for Microsoft Azure
- AZ-305 Designing Microsoft Azure Infrastructure Solutions

- AZ-400 Designing and Implementing Microsoft DevOps Solutions
- Microsoft Cybersecurity Architect
- Certified Kubernetes Security Specialist (CKS)
- AWS Certified Developer Associate
- AWS Certified Solutions Architect Associate
- AWS Certified DevOps Engineer Professional

## TRAINING

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<b>PhD Communications Systems</b>	<b>2017</b>
National School of Engineering of Tunis, Tunisia	
<b>Master Computer Science</b>	<b>2011</b>
National School of Engineering of Sfax, Tunisia	
<b>Master Computer Science</b>	<b>2008</b>
National School of Engineering of Sfax, Tunisia	
<b>Bachelor Computer Science</b>	<b>2007</b>
Higher Institute of Applied Sciences and Technology of Sousse, Tunisia	