

## Software Engineer

### PROFIL

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- **Masters in Computer Science**, Software Engineering
- **2 Years of experience** in Analysis and programming of Web and Mobile applications.
- **Excellent communication**, French: *perfect* / English: *intermediate*
- **Very good knowledge of programming languages**: C # / Js / SQL: *advanced*, Java / C ++: *intermediate*
- **Very good knowledge of tools**: Visual Studio, IntelliJ, Eclipse, Sql Server, Photoshop, Catia V5
- **Fast learning, good analytical and teamwork skills, oriented towards excellence**

### WORK EXPERIENCES

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#### **4D Development Engineer**

February 2021 – Today

##### *4D Logiciel Maroc, Rabat, Morocco*

- Analyze, re-factor and Migrate customer applications to new versions of 4D technology, with specialization in the migration from 4D View to 4D View Pro
- Correct bugs resulting from migration work and produce bilingual migration support documentation for client developer teams

**Environment:** 4D ;4D View Pro ; JavaScript ; Zoho Suite. **NB:** 4D is a proprietary closed-source technology

**The Company:** 4D is a world leader in software solutions designed to simplify the development and deployment of database applications. 4D develops supports and markets two database solutions; 4D and Wakanda.

#### **Full-Stack Developer C# / .Net Core / SQL / Angular / Xamarin**

August 2020 - December 2020

##### *Pulse Digital / Dentsu, Marrakech, Morocco*

- Analyze, correct and develop a new version of the migration application of the customer's information system in production from the first to the second version of the application.
- Improve team productivity by developing and offering tools for automating certain procedures such as internationalization (i18n) and localization (L10n) of the application or even the comparison and update of libraries in the pipeline of Azure Devops CI / CD
- Contribute to meeting deadlines by quickly correcting bugs reported by testers as well as developing new features on the API and Web and Mobile interfaces

**Environment:** C# / .Net Core, SQL, Js / Angular, Xamarin, Python, Visual Studio 2019, SQL Server, SSMS, Git, Azure Devops

**The Company:** Dentsu is one of the largest consulting / media groups in the world with 70,000 employees. Our dedicated brand "Dentsu Tracking" has focused on tracking solutions for governments and major players in the FMCG industry, as well as e-commerce solutions.

#### **Development Engineer C# / .NET / Js / SQL**

July 2019 – August 2020

##### *TeamDev / Synchroteam, Marrakech, Morocco*

- Implement security patches for vulnerabilities (XSS, CSRF ...) detected in audit
- Develop modules for notification sending and invoice generation services (PDF)
- Analyze and optimize (in time) algorithms for importing and exporting data
- Update and integrate the library and the data table generation queries
- Facilitate the proper integration of new developers into the company

**Environment:** C# / .Net, SQL, Js / JQuery, Visual Studio 2017, SQL Central, SVN

**The Company:** Leader in Europe Synchroteam is the intervention planning and mobility management software that optimizes the activity of your technicians. Based on a SaaS infrastructure and fully automated, Synchroteam is used daily by more than 20,000 customers in 76 countries.

## **Development Engineer C# / .NET / Js / SQL**

February 2019 – June 2019

**Bouygues Construction IT, Casablanca, Morocco**

Develop and Maintain Bouygues Construction applications on multi-scope: Engineering, Equipment and Supervision.

- **Application 1 :** C# / .Net / SQL / SQL Server / Entity Framework / WMI / Git / Vs2017  
Develop dashboards for the assessment and reporting of the state of the company's server infrastructure.
- **Application 2 :** C++ / MFC / Access DB / Stingray / SVN / Vs2008 / Vs2017  
Analyze certain application modules to understand the reason and the sources of slowness and suggest possible solutions to optimize performance.
- **Application 3 :** Java / Swing / T-SQL / Sql Server Stored Procedures / Hibernate / SVN / Eclipse  
Fix bugs reported by users and add new features.

**The Company:** Bouygues Construction IT (formerly Structis) is in charge of Bouygues Construction Information Systems. Its mission is to propose and offer employees of Bouygues Construction, in France and internationally, quality IT applications and services tailored to their needs and their businesses.

## **EDUCATION**

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### **Engineer / Master in Computer Science**

September 2014 - July 2019

*National School of Applied Sciences of Safi / Cadi Ayyad University, Morocco*

- Desktop Development : Winform/WPF in **C#/.Net**, Swing in **Java**, POO Console in **C++**
- Fullstack Web Development in several Languages (Java, Php, Js, C#...)
- Android Mobile Development in **Java** / Cross Platform (Xamarin.Form) **C#**
- Analysis and Design of Information System by MERISE / UML
- Database Administration, Oracle / MySql / SqlServer, PL / SQL, T-SQL
- Knowledge in Agile Methodology (Scrum) + Project Management + Clean Code
- Algebra and Mathematical Analysis + Physics and Computer Aided Design Computer
- Architecture, Algorithmics and Data Structure
- CCNA 1 & 2, Routing and Switching

### **Course Certificate: Introduction to programming (in C ++)**

September – November 2016

*Ecole Polytechnique Fédérale de Lausanne, online on Coursera*

References available upon request