

# ABDELHAKIM BENCHIHA

## COMPUTING SCIENCE AND INDUSTRIAL ENGINEERING



### CONTACT

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### EDUCATION

#### MASTER OF ENGINEERING (2014-2019) – CENTRALE LILLE IG2I

• Fifth year of five at Centrale Lille, industrial engineering specialization. Ranked #9 nationally in French school rankings for the international (2015). Classes: Electricity, Software Engineering, Embedded Systems, Project Management, End of Studies projects, Automation, Instrumentation...

### EXPERIENCES

#### • IT Consultant (February 2019 – Today)

##### *Davidson Consulting/Spuerkeess – Luxembourg*

Development of bank digital applications in VB.NET. Development of a monitoring application for the software called Corona.

Monitor the reconciliation of accounts, rejection and show to end user statistics on the rejection.

Development of an internal accounting management.

Wrote specification, designed database, organized meeting. Worked using Agile method.

Creation of documents using GMC Inspire Designer

Development of scripts for injecting into the client folder all the generated documents (Documentum)

Development of the process for the signing pad.

**VB.NET – DB2 – TFS – Cobol – SWIFT – GMC Inspire Designer/Automation**

#### • End of study project (June 2018 – January 2019)

##### *Bouygues Construction – Lille, France*

Worked in team of 7. Conception and realisation of a connected tower crane using VR, augmented reality and the IoT, sending reliable data from sensors in real time (IO-Link), analysing them to decide which action to take.

Model use for research for the theme “connected construction site” - In charge of industrial/instrumentation part

**Synchronous Motor – IO-Link – Sensors – IoT – VR (Oculus) – AI – RFID**

#### • Quality Environment Security Health Assistant Manager (June 2018 – August 2018)

##### *Équipement Industriel Européen – La Ferté-Sous-Jouarre, France*

Ensured the workplace is in full compliance with local Environment, Health and Safety legislation and codes.

Executed and implemented the Environment, Health and Safety programs and policies.

Conducted accident / incident investigation and ensured all incidents are reported and investigated promptly whereby causes are determined with implementation of corrective actions to prevent recurrence.

Facilitated specific quality processes

**ISO standard – Google App Script**

#### • Software Engineer (November 2017 – June 2018)

##### *Cloudzen Pte Ltd. – Kallang, Singapore*

Developed a web platform of VoD and live streaming. Manage coupons, games, videos from the admin dashboard.

Developed web application of live streaming. Manage viewers, channels, chat, followers and accounts.

Deployed 2 Nginx servers for the live streaming. Combine RTMP and RTSP using FFmpeg into Nginx to single HLS adaptive stream. Play the live streaming in a webpage using HLS player (videojs).

**ReactJS - Redux – SCSS – NodeJS – JavaScript – Bootstrap 4 – SVN – Jasmine – Azure – Nginx – RTMP – RTSP – HLS – NetData – Shell – Scrum**

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- **Front-End Engineer Intern (April 2017 – November 2017)**

*Everysens – Lille, France*

Developed real-time application for mobile assets. Extract data from sensors and display them with reliable and relevant charts or tabs using IoT.

Developed specific features for clients. Management of schedules for drivers. Management of convoys.

**AngularJS - NodeJS – SCSS – JavaScript – Bootstrap – Git – CI/CD – IoT - Scrum**

- **Industrial Project (September 2015 – April 2016)**

Internal industrial project. Worked in team of 5 on RFID payment system project. Soldered components, chose components, realized the electronic board and made test.

**Proteus – Raspberry Pi– Python**

- **Computer Project (April 2016 – August 2016)**

Worked as a developer. Computer project for a company of security systems. Worked in team of 4 on the Gruson's website. Wrote the functional specification, planned meetings and analysed the datasheet for the security level.

**Laravel 5 - AngularJS – SCSS – JavaScript – Bootstrap – Git**

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## SKILLS

- **System/Low-Level**

WINDOWS – LINUX – MS OFFICE – CentOS - SHELL – NGINX – CISCO – C/C++ – ASM

- **Front-End**

WPF – Telerik – HTML – SCSS – ANGULARJS – BOOTSTRAP – MATERIAL UI – REACTJS – REDUX – ES6 – JQUERY - Jasmine

- **Back-End**

JAVA – .NET – PHP – LARAVEL – NODEJS(Express)

- **Database**

DB2 (IBM) – SQL – ORACLE

- **Industrial**

CONTROL PROCESS - AUTOMATION – ELECTRICAL ENGINEERING – EMBEDDED SYSTEM– IoT – IOLink – SENSORS - MOTOR

- **Software**

FILTERPRO – ORCAD – PSIM – LABVIEW – MATLAB – UNITY PRO XL – GMC

- **Management**

UML – SADT – Project Management – SCRUM - GANTT

- **Versionning**

TFS – Git – SVN

- **Specific**

HLS – RTSP – RTMP – PETRI NET – GRAFCET – LADDER – LT – Google App Script – GMC Inspire Designer

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## LANGUAGES

- **ENGLISH:** Very good

- **SPANISH:** Good

- **FRENCH:** Native

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## EXTRA

- **SCHOOL COMPANY (Mind-up)**

General Secretary for two years and President for one year. Managed company-clients relationship, project...

- **VOLOUNTEER**

Quality assurance for Gameforge. (Game editor in Europe)

- **PART-TIME JOB**

Worked as a Quality Assurance for EIE. (Water distribution company in France)

- **HOBBIES**

Travel (Europe, Egypt, Morocco, Singapore), Movies, Ice skating, Football, Qwan ki dao, Rugby, Hip-Hop, crypto

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