

# Debeche Abdel Rahim

## SOFTWARE ENGINEER EXPERIENCED

### Goal

Seeking challenging freelance projects that provide my software engineering skills with the opportunity to shine while exploring new opportunities abroad.

My goal is to deliver high-quality solutions that meet my clients' needs and help them achieve their objectives.

### Skills

C, Java, JavaScript, Node.js,  
TypeScript, Angular JS, Python  
MySQL, PostgreSQL,  
Nexus, Polairon

### Languages

French: Native language  
English: Fluent  
Arabic: Bilingual

### Certifications

Key Communication Skills,  
REST API

### Pricing

450 - 600 € / Day

### Contact me

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## Professional Experience

### SOFTWARE TOOLS ENGINEER

Valeo, 2020 - Today

- Design and development of software gateways for an international information system, with a focus on data security and compliance with standards.
- Assisting business teams in adopting these tools while adhering to best practices.
- Implementation of tools and processes for requirement and configuration management.

### Projects

#### Automation of Import/Export of Excel Data to Polarion

- Development of the "Stargate" application to automate the data import from Excel to Polarion (requirements management system), thereby improving the efficiency of teams in handling requirements.
- Collaboratively developing a development plan with the teams, monitoring client feedback, and Java - JavaFX development.
- Creating an initial functional version, followed by subsequent versions to refine the features.

#### Database migration

- Migration of multiple MySQL databases to PostgreSQL, ensuring data security.
- Using open-source tools with appropriate configuration.
- Updating SQL calls in applications to ensure compatibility with PostgreSQL.

#### Calibration manager

- Design and development of a full-stack application for efficient engine calibration management.
- Using PostgreSQL for the database, Node.js with Express for the backend, and Angular for the front-end.
- Streamlining the calibration management, previously done in PaCo files.

#### Modernization of the Development and Deployment Process

- Overhaul of the old Java SWT applications under Eclipse, distributed as jar files with .bat scripts, requiring laborious manual configuration and without using Maven.
- Transformation of the applications into JavaFX with the MVC model, integration of the IntelliJ IDE, implementation of Maven for dependency management and automation, use of Launch4J to generate .exe executables, creation of installers with Inno Setup, and deployment management via Maven Deploy.
- Significant improvement in development efficiency, reduction in configuration time, automation of deployment processes, and enhancement of the branding of internal tools.

## Education

### MASTER'S IN SOFTWARE ENGINEERING

INTECH - ÉCOLE D'INGÉNIERIE INFORMATIQUE

The master's program is dedicated to strengthening the skills specific to the field of expertise: "Software Engineering Expert." Emphasis is placed on the core technical and methodological skills of the profession.

### LICENSE INFORMATIQUE

UNIVERSITÉ DE PARIS