

# Eric DAVID

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45000 ORLEANS  
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40, married & 2 kids  
B car license



## SENIOR SOFTWARE ENGINEER

Design, development, test and digital product management

## SKILLS

### PROGRAMMING

- ✓ **Passionate** about programming, IT architecture and algorithmic
- ✓ **Mastery** of the **Schlumberger Petrel/Ocean®** framework
- ✓ **Mastery** of **Java, C# and C++**
- ✓ **Mastery** of interoperability through **P/Invoke** and **C++/CLI**
- ✓ Proficiency in **C, Python, Fortran** and **Google App Script**
- ✓ Proficiency in Visual Studio, VS Code, Eclipse, PyCharm, etc.

### DESIGN

- ✓ **Passionate** about functional and technical design
- ✓ Conducting **UX Design workshops** & writing **functional specifications**
- ✓ Making **UX Mockups** (Draw.io, MockFlow, Inkscape)
- ✓ Proficiency in **IT Architectural design** (UML, Flow, Components, etc.)

### MANAGEMENT

- ✓ **Mastery** of Agile methodology and **certified Product Owner** PSPO1
- ✓ **Product backlog management** with Jira, Taiga, Redmine or GitLab
- ✓ Calendar, costs and risks assessment and management
- ✓ Conducting review meetings

### TEST & QUALITY

- ✓ **SQA militant** and mastery of the **ISO/IEC 29110** standard
- ✓ Unit tests implementation with **JUnit, NUnit, Unittest, Catch2**
- ✓ **Code review** and **integration / validation testing** campaigns
- ✓ **Writing requirements and test scenarios** with SquashTM
- ✓ Mastery of bug tracking softwares like MantisBT, GitLab or Redmine

### INTEGRATION & DEVOPS

- ✓ Mastery of **Git, GitLab, CI/CD, Jenkins, NuGet, Nexus, PyPi**
- ✓ Mastery of **Docker, Docker Swarm** et **Docker Compose**
- ✓ Mastery of Maven, Ant, CMake, Launch4J, etc.

### WEB & DATABASES

- ✓ Mastery of **HTML, CSS, PHP, Java EE, Spring Boot, JavaScript, Vue**
- ✓ Mastery of **Wordpress** and **Bootstrap**
- ✓ Mastery of **SQL language** and in **MySQL, PostgreSQL** and **DB2**
- ✓ Familiarity with Apache, Ngnix Tomcat and Wildfly servers

## INITIAL TRAINING

- ✓ **Optics Laser Plasma engineer, specialized in optical systems.**  
Graduated from Polytech'Orléans school in 2007
- ✓ **2-year intensive preparation program** for national competitive entrance exams to leading French "grandes écoles", specializing in **Physics, Mathematics, Biology and Geology**. From 2000 to 2002 in Rennes.
- ✓ **French "baccalauréat S",** equivalent to a A-level in science, specialized in Biology and Geology

## LANGUAGES

- ✓ Native French speaker
- ✓ **Advanced level in English (C1)**

## HOBBIES

- ✓ Swimming, running
- ✓ Music, cinema
- ✓ IT, technology
- ✓ Mathematics, science
- ✓ DIY

## ✓ PROFESSIONAL EXPERIENCE

### CURRENTLY

✓ **Software engineer and Product manager** at Ephesia Consult, Orléans  
Design, development, test, integration and product management.

Windows, Linux, C#, C/C++, Java EE, Python, Fortran, Docker, CMake, SQL, PostgreSQL, Petrel/Ocean, Spring Boot, Vue, PHP, HTML, CSS, Bootstrap, Git, GitLab, CI/CD, UML, UX Design, Wordpress, etc.

✓ **Independent software engineer** at Softed, Orléans

Creating and editing the CAD software *Calepinéa*. Writing technical and functional documentations. Also EN > FR Technical translation.

Linux, Java/Swing, Eclipse, JWS, ANT, SVN, iText, XStream, Design patterns, XML, HTML5, CSS3, PHP, jQuery, n-tier architecture and web services.

### 2012

✓ **Delphi/Pléiades Software engineer** at Humanis, Blois

Optimizing batches and SQL stored procedures.

Windows, SQL Server, Pléiades, COM+, Delphi, PVCS

### 2011-2012

✓ **Java/J2EE Software engineer** at Sopra Group, Orléans

Anomalies and technical developments. Tests.

Eclipse, Java/J2EE, Struts, Hibernate, Spring, jBoss, Tomcat, SVN, DB2, MySQL, HTML, CSS 3, JavaScript (jQuery and Prototype), HP Quality Center, JUnit, UML

### 2007-2011

✓ **Designer, web-designer and manager** at Wideal, Orléans

Entrepreneurship, story-boards, software ergonomics, web-design, Java developments, writing specifications and customer relationship.

Linux, Apache, http, FTP, (X)HTML, CSS 2, PHP, Java, SVG, MySQL

✓ **Mathematics trainer** for GRETA and CECAM in Orléans

Accounting and tertiary students. Exams preparation for nurses.

### BEFORE 2007

✓ **6-months training as a R&D engineer in optics** at SEDERE, Orléans

Optimizing an optical head in a chemical light-detector (DEDL). Experiments, reporting, modeling and simulation.

### MAY 2006

✓ **Creating the Wideal company** in Orléans

At the same time studies, creating a company that specializes in making web applications.

## MAIN PROJECTS

✓ **Quality Assurance** - Ephesia

Define and implement quality internal processes based on the ISO/IEC 29110 standard for VSEs.

✓ **License Server** – Ephesia

Client/Server licensing system for executables security.

Java, Spring Boot, Vue, Docker, Maven, C, SHA 256, Winhttp, HTML/CSS, etc.

✓ **4P Platform** – Ephesia

INRAE online processing platform for high-throughput phenotyping data.

HTML, CSS, Bootstrap, JavaScript, JavaEE, Python, PostgreSQL, Docker, Maven, etc.

✓ **Petrel/Ocean Plugins** – Ephesia

Geostatistics and geomechanics computation modules for Petrel®.

C#, C++, C++/CLI, P/Invoke, Fortran, Ocean, Petrel, GitLab CI/CD, Nuget, etc.

✓ **Envirisk®** – Ephesia

Health risk analysis software for Envisol.

Java, JavaFX, MVVM, MySQL, DB2, PHP, framework Yii, Launch4J, JPA, etc.

✓ **Calepinéa** – Softed

Logiciel de DAO spécialisé dans le calepinage d'échafaudages.

Java/Swing, JWS, ANT, XStream, etc.

✓ **Hydrogen CMS** – Wideal

Website creation software. Tests and Webdesign only.

HTML, CSS, Inkscape, PHP, JavaScript