

# RODOLPHE TOYER

## SOFTWARE QUALITY ASSURANCE MANAGER

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US Permanent Resident + French national



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I have seven years of experience in **safety** and **quality-oriented environments** in highly **regulated** industries, including 5 years in **Software Quality Assurance**. I focus my work on **customers' expectations** and **product quality**. I am a thorough and creative **self-starter** with strong **development knowledge**, allowing me to quickly become **effective** on different projects.

QUALITY ASSURANCE

TEST AUTOMATION

PROCESS IMPROVEMENT

TEAM LEADERSHIP

## EXPERIENCE

### DATATRAK, Inc.

09/2014 - Present

Chicago, IL, USA

### Senior Software Quality Assurance Project Manager

*Clinical Trial software provider – Quality Assurance Department*

- Leading the **Quality Assurance** effort for DATATRAK's software products (SaaS)
- **Improving processes** across the board to enhance business performance and product quality
- Maintaining company's **regulatory compliance** to worldwide health agencies regulations and **highest software development standards** (Agile methodologies and waterfall SDLC)
- Guiding the Software Validation Department towards **good industry practices** (requirements writing, traceability analysis, release process, automated testing with **Selenium**, etc.)
- Preparing and executing more than 20/year **clients audits, internal audits** and **regulatory audits**

⇒ Highly focused on FDA and ISO regulations (GCPs, HIPAA, 21 CFR Part 11, 820, 312, ISO 27000, etc.)

### Capsule Tech, Inc.

02/2013 – 09/2014

Andover, MA, USA

### Lead Software Quality Assurance Engineer

*Electronic Medical Record hardware and software provider – QA Department*

- Testing communication **drivers** developed in-house from **medical devices** (patient monitors, ventilators, etc.) to EMR software. Gray to White box testing.
- Continuously improving **test plans** and **QA processes** within the team
- **Leading 2 QA Engineers**, training, coaching and supporting them on a daily basis
- Responsible for **defect tracking methodology** (using MS Visual Studio + TFS)
- Working closely with QA Manager to **steer projects, report metrics** and mentor QA Engineers
- Interacting with **development teams** on an ongoing basis

*Technical skills developed in this position:*

⇒ **Virtualization tools** (Oracle VirtualBox, VMWare vSphere, HyperV), **advanced use of VBA for Excel**, in-depth understanding of dozens of **communication protocols**, primary troubleshooting (**analyzing C++ code**).

### EDF, SdIN Project

2010 – 2013

Paris, FRANCE

### Software Quality Assurance Manager

Project aiming at **renewing French nuclear information system**, used by 30,000 users and composed of more than **20 web-based applications**.

- **Leading** and mentoring a 15-tester team
- Defining **test schedule** and improving testing process, reporting **metrics** to executive board
- **Writing black box test plans** and **performing** manual and **automated tests**
- Leading weekly steering meetings: **coordination of the tests** for the **entire** system, leading and mentoring a **15-tester team**
- **Agile Management** to organize tests of major versions every to 4 months

*Technical skills developed in this position:*

⇒ Advanced use of **HP Quality Center** (use of every module (requirements, test plans, defect, traceability matrix) and IBM Clearquest. **Automated software testing** (HP Quality Center + QTP, **Selenium**).

2008 - 2010

Civaux, FRANCE

- **Head of plant performance commission:** facilitation of an internal committee aiming at optimizing energy production performance:
  - Gathering and analyzing **high volume** of production performance **data**
  - Working with **industry hardware** on a daily basis
  - Development of an advanced **performances analysis** software with **VBA**
- Writing engineering and **technical specifications** and **procedure**
- Neutronical Engineer: **leading technical teams** to perform nuclear physical tests during production cycles and at start-up
- **Project Management** between several nuclear power plants in France



## EDUCATION

Grenoble INP National School of Physics – ENSPG

2005-2008

Grenoble, FRANCE

### Master of Science in Engineering

Major in: **Energy and Nuclear Sciences**

*Main courses followed:* nuclear physics, thermodynamics, safety and risk management, electromagnetics, statistics, **industrial computer science** (LabVIEW, C, C++, robotics).

One exchange year at **Instituto Balseiro, Argentina**.

*Activity:* **President of PG Robotik**, leading a team of **15 students** to design **autonomous robots** in order to compete in the French national robotics cup.

François Rabelais University

2003-2005

Blois, FRANCE

### Associate's Degree in Materials Science

Major in: **Materials and Physicochemical Controls**

Practice-oriented courses in **Electronics**, Materials & Alloys, **Thermodynamics**, Optics, Metrology, **Programming**.



## SKILLS

### Software Lifecycle Management:

Software Testing (man. & auto.)  
 Requirements & Test Writing  
 QA Teams Management



### Software & Tools:

MS Office and VBA  
 C#, C++, Html & CSS, SQL  
 Testing (HP QC, TFS, Selenium, CI...)



### Robotics & Electronics:

MCUs (Arduino, IMP, Teensy...)  
 Hobby Electronics  
 Mobile robots design



### Miscellaneous:

#### Languages:

**French** – native tongue  
**English** – full professional proficiency  
**Spanish** – full professional proficiency

#### Sports:

Running, Rollerblading, Windsurfing  
 Kendo (1<sup>st</sup> Dan), French Boxing (2 years practice)

#### General Aviation:

Started piloting at 14-year-old  
**Private Pilot** since 2012  
 Training for **FAA Instrument Rating**