

## HIGHLIGHTS OF QUALIFICATIONS

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- **IT:** 1+ years. CRM development using **Java EE**. 15 Problem Reports fixed & 3 new expressions of needs implemented / month. Full CRM development in **Python/Django**.
- **Project Management:** 1 year. CAPM Certification. New customers onboarding reduced by 7 days. Customer complaints reduced by 5%.
- **Quality Assurance:** 9 years. 2 successful company certificates renewed. 4 avionics parts certified. Successful software development standardization and functional verification achieved.

### Key Proficiencies

**Bilingual:** French | English

**Programming:** JAVA 7/8, RESTful API, JSON, XML, Soap, HTML5, CSS3, Bootstrap, REACT, JSF2, JPA/Hibernate, MySQL, Python3.6.8

**Environments / Frameworks:** Eclipse, Spring MVC, SpringBoot, SpringSecurity, Maven2, Junit, Tomcat/GlassFish, multi-threading, PyCharm, Django2.2.12

**Tools:** Sonar, Jenkins, Hudson, SVN, GitHub, Postman, VSCode, MySqlWorkbench, SqlDeveloper, ERD, UML, ClearQuest, Jira, Synergy, Doors T-rek, Mantis, Rally

**Requirement Management:** DOORS T-REK, Mantis, Rally,

**Document Management:** MyWorkshop, Dimension, SharePoint, Confluence

**Quality methods:** 8D, AQL, 5W2H, CA/PA, FTA, FMEA, Risks management

**Development Standards:** ARP4754A, DO-178B, DO-254, IEC62304, Waterfall, Agile.

**Project:** Project charter, WBS, Planning, Activities definition, Progress tracking / Reporting, Stakeholder communication.

**Office Tools:** Microsoft Project – Word – Excel – PowerPoint – Visio – Salesforce

## PRACTICAL EXPERIENCE

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**INDUSTRIES** Aeronautic, Railway, Medical, Telecom Business Unit, IT

### IT DEVELOPER

#### • CRMs development & Maintenance

- Developed, maintained and improved CRM applications, performances in Spring MVC, Eclipse, Java7/8, JSF2, XML Soap Services, JSON, Rest Services, Entities, DAO, JPAHibernate, MySQL, Python, Django
- 5 days pair programming with TechLead to ramp up on technology and architecture.
- Introduced test procedures to comply with customer standard and assure tests coverage.
- Assured 15% of leadDev functions by providing 2 weeks support on the project to the new team members. Liaised with customer and business analyst on deliveries and new requests.
- Average of 15 Problem Reports fixed/ month & 3 new expressions of needs implemented.
- CRM1: Overall 20% less flaw, 10% faster application. CRM2: Highly satisfied customer.

### PROJECTS LEADER

#### • Sponsored by the BU Marketing Leader to establish new customers onboarding scheme.

- Wrote the Project charter. Allocated & Coordinated 4 Experts. Established the WBS, High level Planning, and the customer Onboarding Control Flow Diagram with RACI.
- Co-established, tracked ERP requirements implementation down to manufacturing with regular reporting to stakeholders, sponsor. Drive scope, planning, budget, risks, quality.
- Project outcome: deliveries to new customers reduced by 7 days.

#### • Sponsored by the Quality director to establish a Product Quality Contract.

- Wrote the Project Charter, allocated & coordinated the product quality experts (Noram/Latam/Emea/Asia), co-established the High level Planning and WBS, organized the group discussions, tracked Progress. Liaised with the Sales Manager to Deliver contract across sales team. Drive scope, planning, budget, risks, quality.
- Project outcome: tCustomer Complaints KPI reduced by 5%.

## QUALITY REPRESENTATIVE

- **Company Level.** ISO9001 Quality: formalized Business Unit processes ( Business case, project, program, risk management, pricing, sales, fulfillment). Organized management review (Assessment of flowdown Vision to Objectives, Risks, Actions, Results, Corrective /preventive Actions, Product quality).
  - Customers Product Quality support by auditing, interfacing on Control plans / FMEA/ Maintenance Plan /Quality presentations /answering to claims: 8D coordination / Product FTA creation/ Use of Fishbones diagram, rootcause determination, CA/PA / KPIs Created, monitored and communicated to the Managers.
  - Outcome:** the Business Unit passed 2 successful ISO9001 audits and renewed certificates
- **Scrum Team Level.** Review teams software development processes before SDLC 1<sup>st</sup> design review audit. Harmonized DoD / DoR criterias between agile teams.
  - Outcome:** Successful Design milestone passed.
- **Software and Certification Level.**
  - Certification: Lifecycle Auditing following the DO-178B / DO254 / ARP4754A standards. Preparation of Agendas, Auditing, Actions Items and tracking of resolution. Life cycle/ Requirements Assessment on correctness, completeness, uniqueness, testability, traceability, configuration, verification & validation reviews, change impact, issue fixing.
  - Outcome:** led to 4 avionic parts certified by TCCA.
  - Software Development: 5 Embedded C software development standardisation to DO178B. Functional Testing of 1 Avionic device. 3 technicians management. Schematics and device Inspection / Analysis / Demonstration of compliance to requirements.
  - Running SRS level test procedures. Exploration of ARINC/AFDX frames. Managing PRs. Tests and results assessment for traceability and completeness to requirements.

## PROFESSIONAL EXPERIENCE

<b>SQA</b> Pratt & Whitney – MONTREAL (CA)	Feb.2021 - Current
<b>Python Django Developer</b> Rolls Royce – MONTREAL (CA)	Oct.2020 – Feb2021
<b>Java EE Software Developer</b> Aubay – PARIS (FR)	Nov. 2018- Sept. 2019
<b>Process &amp; Product Quality Assurance</b> Oberthur Technologies – PARIS (FR)	Mar. 2016- Sept. 2017
<b>Software Process Quality Assurance</b> GE Healthcare – PARIS (FR)	Mar. 2015- Jan. 2016
<b>Software &amp; Systems Process Certification</b> Bombardier Inc.- TORONTO (CA)	Sept.2010- Jun. 2013
<b>Hardware Design Validation</b> Thales Rail Signalling Solutions - TORONTO (CA)	Mar. 2010- Sept. 2010
<b>Software Development Engineer</b> MTU Aero Engines – MUNICH (GER)	Jan. 2009- Dec. 2009
<b>Software Functional Verification Engineer</b> Sagem Defense & Security - PARIS (FR)	Sept. 2007- Dec. 2008

## EDUCATION

<b>Master</b> in Automation, Electrical Engineering & Industrial Computing   U.T.B.M, France	2007
<b>Bachelor</b> in Aeronautical & Industrial Systems Engineering   I.U.P Evry, France	2005
<b>Bachelor</b> in Instrumentation Technology in Physics   I.U.T Créteil, France	2002
<i>Credential Assessment from the University of Toronto Comparative Education Service – Available</i>	
<b>Java EE Training</b>   M2I, France	Jun-Aug 2018
<b>PMI Certified Associate in Project Management</b> (Certification #: 2212385)	Mar 2018
<b>Financial Math</b> , CMA Paris	Jan – Apr 2016