Competency profile

Nicolas GROSJEAN

*Engineer*

*As a software architect working in the field of embedded systems (medical equipment, car, train, plane, satellite, ...) for more than 30 years, I am enthusiastic about designing, developing, testing and maintaining high quality complex systems.*

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| **Personal Details** | **Skills** |
| * Consultant * Date of birth: 1969 * Place of birth : Reims (France) * Residence : Geisenbrunn (Bayern) * Nationality: French * Location preference : * Availability: Now | * Embedded C++ * Linux * Object Oriented * STL / Boost / Qt * Entreprise Architect * Python / Bash Shell * Requirements Analysis * Software Quality * Tools: Scrumm / Jira / Jenkins / DOORS / Codebeamer / Doxygen / GIT... * Sprachkenntnisse: French (Native), English (Fluent), German (B2) |

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| Professional Career / Practical Experience▼ | **Consulting Company, Berlin** |
| 09/2023  until  today | Rail Consultant  **Company: Consultancy Berlin, Germany**  **Project : Siemens Train Gaurd Bid**   * Currently Rail Bid Engineer from the team in the signalling sector. * Conceptualization of the TSI for signal retrofitting for the train monitor   **Tools & Technologies:**   * Microsoft Tools |
| 11/2020  until  08/2023 | Lead Functional Architect/Rolling stock Control Engineer/Train Control Engineer  **Company: Bombardier Transportation/Alstom Transportation, Hyderabad, India**  **Project : RRTS,NFT**   * Senior TC&IS as Train Control Engineer for the RRTS project that defines the system functions * Experience with customer deliveries and schedules, discussions and approvals on behalf of the TC&IS team. * Supported approvals from key customers such as NCRTC's CMRS * Leading the team of CEs and stakeholder review meetings (project managers, chief engineers) * Experience with the VA MBSE methodology of system engineering. * Manage design planning and perform design/verification checks at all steps of the Design For Quality cycle. * Provision of all TC and IS engineering outputs, including TCMS RSADs, software specification or functional design description FDD, software, electrical diagrams. * Manage the interface and ensure tracking of subsystems (electrical components, PACIS, CCTV, multimedia, TCMS, event recorders, train floor communications, ATC/safety equipment) * Ensuring standardization and maximizing transferability with previous projects * Support of the industrial and manufacturing, commissioning and validation areas during the first pull assembly * Contributing to the return of experience   **Tools & Technologies:**   * Doors 9.6, Magic draw Sysml,CCT,Jazz,PDM,Microsoft Tools |
| ▼ | **Alstom Transportation,Bangalore** |
| 1/2019  until  10/2020 | Control Engineer /PACIS system engineer  **Company: Alstom Transportation ,Bangalore, India**  **Projekt : Sydney SW,Nel CCL,Project Bids, RRTS, AK,Jurong, Xtrapolis, Bucharest**   * Experience in tendering TCMS and PACIS products * Lieferung der Subsystem dokumentation (Requirement Specification and Architecture Description RSAD, Technical Purchase Specification TPS, Interface Control Document ICD). * For its task of formulating a design solution for low voltage and SW control that meets the specified customer requirements * Handling change requests (CR) related to their function. * Ensuring standardization and maximizing transfer or reference functionality to previous projects * Provide support for supplier interface testing or TC&IS verification testing on a PC or TCMS test bench * Assistance with train integration and validation. * Contributes to the exchange of experience in his/her field of expertise (software, circuit diagrams, devices)   **Tools & Technologies:**   * PTC,Control build,Spectrail,Doors 9.6, Microsoft Tools VISIO,WORD,EXCEL,PPT |
| 9/2015  until  12/2018 | Testing &Commissioning Engineer/Warranty Engineer/Validation &Verification Engineer  **Company: BEML LTD Govt Company, Delhi, Bangalore, India**  **Project :D MRC, JMRC, BMRCL**   * Responsible for conducting the tests of VCC (Vehicle Control Circuit) tests, cabin control, train start/shutdown, cruise control, HVAC, DOORS, battery control, traction and braking system, etc. * FRACAS, DBMS and RAMS calculation and presentation of the same to the end customer in weekly meetings and monthly review sessions. * Extensive retrofitting/modification of VCC in train lines, including various HECP, SECP, SMI, FMI and EIR.   **Tools & Technologies:**   * Microsoft Tools VISIO,WORD,EXCEL,PPT |
| ▼ | **BEML Govt of India , Delhi** |
| 7/2010  until  8/2015 | Testing &Commissioning Engineer/Warranty Engineer/Validation &Verification Engineer  **Company: Hyundai Rotem Company, Bangalore, India**  **Project :Delhi Metro, Bangalore Metro**   * Leading the team to provide effective engineering, maintenance, warranty/after-sales service to the customer * Experience with Type Testing, Dynamic Testing, Static Testing, RODreadiness, RDSO Test Support, KE Test. * Contribute to preliminary design, installation design, validation and verification of test procedures to meet ERTS requirements * PACIS system, DOOR system, VCC standardization and team leader for retrofitting   **Tools & Technologies:**   * Microsoft Tools VISIO,WORD,EXCEL,PPT |
| 7/2009  until  6/2010 | Graduate Engineer Trainee  **Company: BEML LTD Govt Company, Bangalore, India**  **Project :D MRC**   * Responsible for carrying out all electrical continuity tests, including wiring harness and cab wiring, at the production site. * The tests consist of a dielectric test, a braking system, tests of the vehicle control circuit, a door operation test, an HVAC test, a test of the public address and passenger information system and a test of the integrated train management system (TIMS/TCMS).   **Tools & Technologies:**   * Microsoft Tools WORD,EXCEL,PPT |

1. Education and training

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| 6/2005  until  06/2009 | **Bachelor of Engineering**  Visvesvaraya Technological University  Bangalore India |

1. IT knowledge, tools and methodology

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| ▼ | **Tools / Level (Basic, Advanced, Expert)** |
| SysmL Tools | Magic Draw (Level: Expert) / PTC (Level:Basic) / Control Build (Level:Basic)/ Spectrail (Level:Basic) |
|  | Requirement Management - Doors 9.6 (Level: Expert) |
|  | Change Configuration management - CCT (Level:Advanced) |
| V&V Support | Jazz Tool (Level:Advanced) |
| Documentation | PDM (Level: Basic) / Acomis (Level:Basic) |
| Microsoft Tools | VISIO(Level:Advanced) , WORD(Level:Basic) , EXCEL(Level:Basic), PPT(Level:Basic) |

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| ▼ | **Method / Level (Basic, Advanced, Expert)** |
| Method 1 | MBSE (Level: Advanced) |
| Method 2 | Baseline Approach (Level: Advanced) |

1. Languages and additional qualifications

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| ▼ | **Language skills** |
| GER | Beginner A1 |
| ENG | Fluently |

1. Your contact person

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| ▼ | **Mr. Vamshi Raghupatruni** |
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