

# DAVID GOASMAT

## Senior electrical system engineer

[dgoasmat56@gmail.com](mailto:dgoasmat56@gmail.com)

+1 (438) 407-2225

Montreal, QC, Canada

**LANGUAGES:** French and English

### EDUCATION

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- 2017 MS in **Engineering**, Graduate School of Engineering CESI, Saint Nazaire, France  
Coursework included: Technical problem-solving, human management, Innovation to tackle industry's challenges
- 2007 BS in **Design & Control of on-board electrical system**, University of Paul Sabatier, Toulouse, France  
Coursework included: design and development: electrical drives, electronic architecture, real-time command-control
- 2006 BTEC in **Electrical Engineering**, University of Saint Joseph, Vannes, France

### WORK EXPERIENCE

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7/2024 – Present **MTLS Aerostructure: Electrical Engineering specialist**

- Research and development of advanced technologies in: EWIS, IoT, More Electric Aircraft R&D projects.

3/2019 – 6/2024 **Swiss International Air Lines: Continuing Airworthiness Engineer – Electrical & Avionics System**

- Reviewed and analyzed aircraft airworthiness directives (AD) and service bulletins (SB) while also supporting aircraft maintenance programs. (Airbus: A220 / A32F / A330 / A340 & Boeing: B777).
- Monitored aircraft systems data including reports and reliability trends: AC & DC Power Generation & Distribution, Emergency Locator Transmitter, Lighting system, Communication and EWIS.
- Liaised with regulatory authorities, original equipment manufacturers and maintenance organizations.
- Coordinated with project teams, maintenance areas, external suppliers to ensure that aircraft systems/components are airworthy and comply with relevant aviation regulations.
- Conducted technical investigations & troubleshooting in the Safety Management System.
- Trained and mentored new team members by providing them with a learning program and guidance to enhance their knowledge and skills.
- Identified, assessed and promoted new emerging technologies addressing environmental issues.

4/2018 – 1/2019 **SR Technics: Electrical Project Engineer**

- Provided support to sales and key account management including technical & financial assessment, Man-hours & Material investment, technical presentation.
- Created advanced electrical standard manuals in the frame of EASA PART 21J design & certification.

10/2016 – 2/2018 **SEWS-E: Electrical Project Engineer**

- Led the electrical product development including technical coordination, customer design reviews, Quality assurance - Over 15 employees located in Morocco, Romania, UK, Japan and France.
- Supported the electrical harness design and manufacturing processes from prototype to mass production.
- Used Value Analysis (VA) & Value Engineering (VE) to identify and eliminate areas of high cost.

2007 – 2015

**Sogclair Aerospace**

*1/2014 – 04/2015 Electrical Wiring Design Specialist*

- Electrical business development support by conducting market research, identifying potential business opportunities and clients. Assisted the sales team in evaluating technical needs and drafting presentations.
- Electrical designer on the experimental engine pylon for flight test of LEAP-1A including electrical wiring harness development, integration and design.

*7/2011 – 12/2013 Electrical Designer & Production Support FAL A350 XWB and A400M aircraft*

- Coordinated with all the involved partners: Design Office, Manufacturing, Quality, Manufacturing Engineering to focus on the resolution of non-conformities EWIS-related discovered at the Final Assembly Line.
- Used root cause analysis process to identify the nature of discrepancies and determine technical repair solutions to restore design integrity.
- Created and revised engineering documentation: Drawings, 3D models, Design Query Note, Special Instruction.
- Developed a training program for onboarding new team members; organizational, main activities, keys skills, computer tools, technical documentation.

*1/2010 – 06/2011 Electrical Designer & Team Leader - A350 XWB Ground Test Design*

- Technical coordinator of the Electrical Wiring Harness Design for the Ground Test Design for A350 XWB, major focal point of AIRBUS.
- Led the Electrical design Team operational organization, the monitoring, and the technical progress (over 5 organized in France and Tunisia).
- Validated design documents (circuit diagram, harness design report).
- Ensured creation and implementation of the training program.

*1/2009 – 12/2009 Electrical Designer & Team Leader - Rail vehicle renovation (BB36000)*

- Supported the project leader in his functions including Key indicators follow up, project planning, team coaching, training & skills management and quality assurance.
- E3 Series specialist including database management, Training Instructor, drafting support, Script development for automating tasks. Reduction of the design time and increase of productivity.

*7/2007 – 12/2008 Electrical Designer – MBDA Firing Unit Installation*

- Created detailed schematics, wiring diagrams, complete harness data report and test procedures.
- Writing design & parts library rules for the creation of schematic and wiring diagrams on E3 Cable.

#### **ADDITIONAL TECHNICAL COURSES**

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- DOA Part 21J Introduction Training – Lufthansa Technics training / 2023.
- Certificate, Climate Change: The science and global impact edX - Department of Atmospheric Science at Penn State University / 2021.
- A220 General Familiarization Theoretical – Lufthansa Technics Training / 2019.
- Airbus A319/A320/A321 General Familiarization Theoretical – Airbus / 2019.
- Boeing 777-200/300 General Familiarization Theoretical – SR Technics / 2019.
- Aviation Legislation – Growing / 2019.
- Electrical Wiring Interconnection System (EWIS) Introduction Training - SWISS / 2019.
- Safety Management System – SR Technics / 2018.
- Certification Specification 25 (CS 25) – Soferma Aviation Services / 2018.
- EASA PART M-145 & APRS Aviation Legislation – Air Formation / 2017.