

# Curriculum Vitae

## Personal Statement

I am a motorsport engineer and master technician with considerable experience as technical director, head engineer, race engineer, track support engineer, performance engineer, data engineer and master technician in race series like European Le Mans Series (LMP2, GT2), FIA GT (GT1), Renault Sport Trophy RS01, Porsche Carrera Cup (Germany, UK, USA, Sweden), Porsche Supercup, long distance / endurance races (i.e. 24h Le Mans, 24h Nürburgring, 24h Dubai, 24h Spa, 24h Daytona, 12h Bathurst, 12h Abu Dhabi, 12h Sebring, 10h Petit Le Mans, 8h Laguna Seca, 6h Watkins Glen), GT3 races (i.e. Blancpain Endurance Series, FIA GT3, ADAC GT Masters, IMSA / NAEC - GTD), as well as LMP3 races in the VdeV series.

Until now I was able to achieve a total of 11 Championship titles and several overall victories in sprint and long distance races with the different teams and drivers I was working with. During my time as senior engineer 5 of my drivers developed directly into works driver status and 2 of them into DTM after working together.

I hold an MSc degree in Motorsport Engineering & Management from Oxford Brookes University, UK and a Master Technician degree in Automotive Mechanics & Electronics. My technical knowledge and analytical skills are excellent and in combination with my broad field of experience I'm able to deliver a very high level of "Overall View" approach.

My personal racing experience additionally allows me to work effectively with cars and drivers to improve performance.

I have a proven track record of teamwork and I am continuously developing my knowledge, skills and career in motorsports.

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## Work Experience

### **2018: Head Engineer, Montaplast by LAND Motorsport, Germany**

Head Engineer and Race Engineer for a 2 car Audi R8 LMS GT3 race car team participating in the ADAC GT Masters, IMSA Weather Tech & North American Endurance Cup and VLN Nürburgring. Responsible for all technical on & off track aspects, data and performance analysis, driver & car performance analysis and development, team management and development, strategy, on and off track research and development activities.  
*(P1 Rookie Driver / P2 Driver – 1point behind P1 driver combination / P2 Team ADAC GT Masters Championship – Team with the most podium positions, P7 24H Daytona, P4 12h Sebring, P12 6H Watkins Glen, P6 10H Petit Le Mans, P3 Spa 24H)*

### **2018: Race Engineer, Virage Racing, Spain**

Race Engineer for a 2car Ligier LMP3 team competing in the VdeV series.  
Responsible for all engineering aspects of the car during race weekends including team, driver and car development.

### **2018: Race Engineer, M-Sport Bentley, England**

Race Engineer for the #7 Bentley Continental GT3 car at the 12h Bathurst long distance race.  
Responsible for all engineering aspects of the car during this weekend including  
*(On Top3 podium position course until a crash late in the race stopped the ambitions)*

### **2017: Head Engineer, Montaplast by LAND Motorsport, Germany**

Head Engineer and Race Engineer for a 2 car Audi R8 LMS GT3 race car team participating in the ADAC GT Masters, IMSA Weather Tech & North American Endurance Cup and VLN Nürburgring. Responsible for all technical on & off track aspects, data and performance analysis, driver & car performance analysis and development, team management and development, strategy, on and off track research and development activities.  
*(P2 Team / P3 Driver / P2 Rookie Driver ADAC GT Masters Championship – Team with the most podium positions, P2 24h Daytona +0.293sec. behind Overall Winner, P4 12h Sebring, P1 24H Nürburgring, P1 10h Petit Le Mans, P2 8h Laguna Seca, 2x P1 & 2x P3 VLN)*

**2016: Head Engineer, Montaplast by LAND Motorsport, Germany**

Head Engineer and Race Engineer for a 2 car Audi R8 LMS GT3 race car team participating in the ADAC GT Masters and VLN Nürburgring. Responsible for all technical on & off track aspects, data and performance analysis, driver & car performance analysis and development, team management and development, strategy, on and off track research and development activities.

*(Triple Overall Championship Winners ADAC GT Masters – Team, Overall Driver, Rookie Driver  
VLN Nürburgring 3times Overall Winner & Winner “Speed Trophy” – Most Successful Team)*

**2016: Race Engineer, Fragus Motorsports, Sweden**

Race Engineer for a 2 car Porsche 991 Carrera Cup team in the Swedish Carrera Cup Championship. Responsible for all technical on & off track aspects, data and performance analysis, driver & car performance analysis, team development, strategy

*(2<sup>nd</sup> in the Team Championship, and several podium positions with a start-up team)*

**2016: Race Engineer, High Class Racing, Denmark**

Race Engineer for a Renault RS01 Prototype car participating in the Renault RS01 Sport Trophy. Responsible for all technical on & off track aspects, data and performance analysis, driver & car performance analysis, team development

*(Rated as the team with the biggest improvement during the season)*

**2015: Technical Director, Race Engineer, Project 1 / Tolimit Motorsport, Germany**

Technical Director and Race Engineer for a 3 car Porsche 991 Carrera Cup team and a 2 car 991 Porsche Supercup Team. Responsible for all technical on & off track aspects, data and performance analysis, driver & car performance analysis and development, team management and development, junior driver education and simulation program.

*(i.e. Overall Winner Porsche Carrera Cup – Pro Driver, Rookie Driver and Team Champion,  
Porsche Supercup – Pro Driver and Rookie Driver Champion, 2<sup>nd</sup> Team Champion)*

*(Several records achieved: 1<sup>st</sup> back to back PCC Driver Champion, fastest achieved PCC Driver Champion,  
PCC Driver Champion with biggest points lead, 1<sup>st</sup> team claiming all 3 Championship titles, 1<sup>st</sup> team achieving PCC  
Team Championship with 1 Pro-Driver and 1 Rookie Driver.)*

**2015: Head Engineer, BLACK FALCON Motorsport, Germany**

Head Engineer for a 2car Porsche 991 GT3 Cup team for the Dubai 24h race.

Responsible for all technical on track aspects, data and performance analysis, driver & car performance analysis, event and race strategy.

*(i.e. Class winner and 2<sup>nd</sup> in class with both cars after 24h)*

**2015: Race Engineer, HP Racing, Austria - Swiss**

Race Engineer for an ADAC GT Masters Mercedes SLS AMG GT3 team.

Responsible for all technical on track aspects, data and performance analysis, driver & car performance analysis, event and race strategy, team management and development.

*(i.e. Several podium positions with a start-up team)*

**2014: Technical Director, Race Engineer, Project 1 / Tolimit Motorsport, Germany**

Technical Director and Race Engineer for a 4 car Porsche 991 Carrera Cup Team and a 3 car 991 Porsche Supercup Team. Responsible for all technical on & off track aspects, data and performance analysis, driver & car performance analysis and car development / research.

*(i.e. Overall Winner Porsche Carrera Cup – Pro Driver and Rookie Driver Champion, 2<sup>nd</sup> Team Champion,  
Porsche Supercup 2<sup>nd</sup> Rookie Driver Champion)*



**2014: Race Engineer, NGT Motorsport, USA**

Race Engineer for a 6 car Porsche 991 Carrera Cup Team in USA in the TUDOR United Sports Car Challenge (991 GTD Class) & Porsche GT3 Cup USA

Responsible for all technical on track aspects, data analysis, driver & car performance analysis.

**2013: Technical Director, Race Engineer, Aust Motorsport, Germany**

Technical Director & Race Engineer for a 2 car Porsche 997 Carrera Cup Team in Germany

Responsible for all technical off & on track aspects, data analysis, driver & car performance analysis and development.

**2013: Race Engineer, Redline Racing, England**

Race Engineer for a 4 car Porsche 997 Carrera Cup Team in England

Responsible for all technical on track aspects, data analysis, driver & car performance analysis and development.

**2012 - 13: Data and Performance Engineer, BLACK FALCON Motorsport , Germany**

Data and Performance Engineer for Mercedes SLS AMG GT3 & Porsche 997 GT3 race cars for endurance races and European GT3 championships.

*(i.e. 24h Nürburgring 2013 – Overall Winner, 24h Dubai 2012 / 2013 – 2times in a row Overall Winner, 12h Abu Dhabi 2013 – Overall Winner, 12h Bathurst 2012 – 2<sup>nd</sup> Overall)*

**2007 - 10: Technical Director & Head of Engine Department, Seat Germany / LMS Engineering, Germany**

Technical director for the Seat Leon Supercopa race series and Seat Leon endurance challenge

Nürburgring in Germany, 24h Nürburgring

- Duties included: Technical responsibility for all vehicles during races; data analysis of all vehicles' performance; technical quality and regulation control of participants' engines and cars, driver coaching, developing and building race cars from scratch to race-ready

Head of Engine Department

- Duties included: Construction of race car engines and providing on track race support; rebuilding, testing (On & Off track) and development of VW / Audi Group Direct Fuel Injection and Port Injected engines, Skoda WRC and Porsche race engines;

**2006 - 10: Technical Consultant, 911 Sport, Chile, South America**

Building and repair of Porsche sports car engines; providing technical support and training

**2005 - 06: Chief Technician, T2M Motorsport, All-Inkl.com Racing, Calw, Germany**

Prepared and serviced a Porsche GT3 RS and a DOME S101 LMP2 Prototype for European Le Mans Series and 24h Le Mans, Race Technician for a Lamborghini Murcielago GT1, participated in FIA GT

- Duties included: Responsibility for all aspects of preparation and set-up before, during and after race events;

**2003 - 04: Technical Leader & Race Engineer, Creative Marketing Racing, Karlsruhe, Germany**

Managed technical department for several Porsche 996 GT3 Cup cars, Porsche Carrera Cup and local events

- Duties included: On track race engineering, data analysis, race strategy, technical responsibility and preparation of cars

**2003 to present:** Self-employed (Freelance) – Motorsport & Automotive Engineering Services

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## Education

### **2010 – 11: MSc in Motorsport Engineering & Management, Oxford Brookes University, Oxford, England**

Modules included: Advanced Chassis Engineering, Advanced Vehicle Aerodynamics, Laptime Simulation and Race Engineering, Data Acquisition Systems, Engineering Reliability and Risk Management, Computation and Modelling

Individual thesis: "*Optimisation of a Racing Car using Engineering Skills, Data Acquisition and Laptime Simulation*", completed in cooperation with a German racing team during the 2011 season.

Passed with distinction

### **2002 – 03: Master Technician (Master Craftsman) in Automotive Mechanics & Electronics Industry Development Institute (WIFI), Innsbruck, Austria**

Modules included: Engine Technology, Drive Train, Chassis and Suspension, Electric and Electronics, Electronic Ignition and Injection Systems, Fault Diagnosis, Automotive related Mathematics, Leadership training, Metal fabrication works

Passed with merit

### **1990 – 94: Machine Fitter Apprenticeship, GE Jenbacher, Jenbach, Austria**

Completed with distinction

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## Additional Education, Qualifications and Experience

IELTS – English Language Certification (Overall Band Score 6.0),

International C Race Car Driver License,

Road Car Driver License, NASCAR – Fast Track Racing Oval Course Driving Certification,

Personal racing experience with GT, Formula and NASCAR race cars,

Oxford Brookes University Formula Student Team Member (Race Engineer Team Leader)

Optimum G Advanced Race Car Vehicle Dynamics Engineering with Claude Rouelle (multiple attending's)

Optimum G Race Car Data Driven Performance Engineering Seminar with Henning Olsson (multiple attending's)

Jorge Segers – Advanced Data Acquisition Seminar (multiple attending's)

ChassisSim – Race car simulation boot camp with Danny Nowlan (multiple attending's)

Motorsport Industry Association (MIA) School of Race Engineering (@ Lotus F1)

HV-2 High Voltage Automotive Drive Train Education and Certification

Private Pilot License (SEP)

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## **Transferable Skills**

**Language:** German (native language), English (fluent speaking and writing), Italian / Spanish (basic knowledge)

**Computer Programs:** Microsoft Windows, Microsoft Office (Word, Excel, PowerPoint,...), MATLAB, Chassis Sim, AutoCAD, Multimatic Dyno Soft 2000, Bosch Modas, Engine ECU Diagnostic & Calibration Software

**Data Recording & Analysis:** Bosch WinDarab, MoTeC, PI Research / Cosworth, Magneti Marelli WINTAX, STACK Ltd., RACE Technology, AIM Race Studio, Data – Video and Live Telemetry Analysis skills, itk Engineering RDC Race Data Configurator advanced post data analysis software

**Systems & Components:** Bosch Motorsport and Road Car Systems, Gearbox Pedalshift Systems (Megaline / Shiftec), Sequential gearboxes (Drexler, Getrag, Hollinger), Superflow Engine Dyno, Multimatic Damper Dyno, Dampers (Sachs, Öhlins, Bilstein, KW, Koni), On Board Electric & Electronics / CAN Diagnostics & Development, Hydraulic & Pneumatics, HV-2 High Voltage Automotive Drive Train Systems

**Mechanical Skills:** Engine building / rebuilding, Gearbox building / rebuilding, Chassis and Set Up work, Electric wiring and fault diagnosis, Welding (Arc, Gas, TIG, MAG), Milling, Turning, Fabrication

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## **Personal Attributes and Achievements**

I am a motorsport enthusiast and my profession is also my passion; I'm also driving race cars, having achieved excellent results in competitions with GT and Formula style cars; I even drove NASCARs too. My personal driving experience provides me with an additional and necessary understanding of what it needs for a race driver to be able to drive cars faster.

Having worked in the racing business for many years, I respond positively to the need for flexible approaches to working times and travelling.

I'm also used to the extreme pressure in the motorsport environment. As a leading engineer - race engineer & master technician, I am used to work to highest standards and tight timescales.

I have proven my ability to work under extreme pressure in different styles of racing and within a wide range of teams and drivers. In my roles as technical director and head engineer I was able to develop excellent communication skills and I am a capable decision-maker.

Having achieved multiple championship titles, overall victories and podium positions in different racing series with different teams and drivers I know the business very well.

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