

# PARAS DARYANANI

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## Aerospace Engineer & Entrepreneur

Multi-lingual engineering professional with a proven ability to develop and implement solutions that support business objectives. Extensive experience in full stack software development, aviation electronics and project management. Dedicated team leader, able to build highly motivated cross-functional teams focused on achieving project goals. Currently providing aviation consulting at Airbus UK on behalf of AKKA Aeroconseil UK.

### Areas of Expertise

- Algorithm Development
- Systems Design & Simulation
- Software Development
- Project Management
- Product Lifecycle Management
- Budgeting & Cost Optimisation
- Team Management
- Mentoring & Training
- Configuration Management
- Strategy Development
- Big Data Analytics
- Artificial Intelligence

### Professional Experience

#### AKKA Aeroconseil UK Ltd

Jun 2016 – Present

#### Aviation Consultant (Airbus UK)

- Design and integration of simulation models for Airbus A350 landing gear systems.
- Configuration management of test bench core software components, models, and tool-sets.
- Big data analytics, algorithm development and artificial intelligence for “smart” aircraft.
- Liaison with clients to ensure services meet requirements and expectations.

#### Cranfield University

Mar 2015 – May 2016

#### MSc Aerospace Vehicle Design

Collaborated on group projects and gained direct training in design strategy and lifecycle management.

- Successfully designed a business jet with a multi-disciplinary team of 34 engineers over 9 months.
- Served as the project team leader and performed task scoping, progress tracking and reporting.
- Developed software for automated wing design and optimisation and integrated finite element analysis.

#### Celestial Sites NV

Jan 2014 – Present

#### Co-founder and CTO

Co-founded Celestial Sites after market research revealed demand for custom software providers in Suriname.

- Work with a team of four to develop robust software solutions for business-specific challenges
- Lead multiple projects from concept through completion, ensuring adherence to budget and schedule.
- Provide leadership and motivation to staff and conveying company vision and values.

#### University of South Wales

Sep 2011 – Jul 2014

#### BEng Aeronautical Engineering

Collaborated on projects and gained training and expertise in aeronautical engineering.

- Optimised the shape of Cessna Grand Caravan fuselage using Computational fluid dynamics (CFD), resulting in a variable drag reduction of up to 31%.
- Preliminary cost analysis estimated up to 12.4% decrease in fuel burn and thereby direct operating cost.

**Shartech NV**

Jan 2011 – Oct 2013

**Lead Website & Interaction Designer**

Supervised web development team in developing data-driven web applications.

- Taught full-stack software development to a team of 6 graduate interns.
- Led the development of land registry software for the Surinamese government.
- Re-designed and maintained the company website and server infrastructure.
- Liaised with clients to ensure services met requirements and expectations.
- Pursued CPD by achieving Microsoft certifications.

**Education & Training**

**MSc** Aerospace Vehicle Design, Cranfield University, 2016

**BEng (Hons)** Aeronautical Engineering (1:1), University of South Wales, 2014

**Certification and Training**

ClickMinded SEO Specialist Certification

Airbus Landing Gear Simulation and Modelling (CPD)

Microsoft Certified IT Professional (MCITP) - Windows Server 2008

Microsoft Specialist (MS) - Programming in HTML5 with JavaScript and CSS3

**Technical Skills**

**Software:** CATIA V5, SolidWorks, NASTRAN/Patran, STRAND7, Fluent, Microsoft Office, Illustrator/Photoshop, Project, Visio, Cinema 4D, SharePoint, MATLAB.

**Programming:** C, C++, C#, Python, ASP.NET, PHP, HTML5, CSS3, JavaScript, TypeScript, ES6/ES7, Express, React/ React Native, MySQL, MongoDB, VB.NET, Tcl/ Tk, Lua, Corona, Arduino, Apache Spark, GraphQL, git.

**Operating Systems:** Windows (Client/Server), Mac OS X, Linux (Ubuntu, CentOS)

**Languages**

English (native), Dutch (native), Spanish (advanced), Hindi (native)

**Professional Affiliations**

Institute of Engineering Technologists (IET)

Royal Aeronautical Society (RAeS)

American Institute of Aeronautics and Astronautics (AIAA)

Institution of Mechanical Engineers (IMEchE)