

James Donnelly

Digital R&T Project Engineer - Airbus Commercial

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SUMMARY

Driven Digital R&T Project Engineer with a proven track record in advancing aerospace technologies, securing multi-million-pound research funding, and spearheading digital transformation projects. Passionate about leveraging cutting-edge solutions and collaborative strategies to tackle complex challenges across diverse business environments.

EXPERIENCE

Digital R&T Project Engineer

Airbus Commercial · BROUGHTON, UNITED KINGDOM

Jan 2025 - Present

- Progressed advanced technology proof-of-concepts to TRL 6, bridging research and industrial application.
- Secured multi-million-pound research funding in partnership with the Aerospace Technology Institute (ATI).
- Appointed to the Airbus Technical Oversight Committee as part of the Generative AI taskforce.
- Delivered a suite of digital tools using SAFe Agile, improving efficiency across business operations.

Digital & Technology Solutions Degree Apprentice

Airbus Commercial · BROUGHTON, UNITED KINGDOM

Jan 2021 – Dec 2024

- Completed 10 placements across Manufacturing, Digital Engineering, IT, Cybersecurity, and EH&S.
- Designed automation tools delivering £100K+ in cost savings; built Palantir Skywise Big Data dashboards.
- Recognition of Learning (RoL) Award winner and Unite the Union Award recipient.

Self-Employed — E-commerce & Software

Independent

Dec 2015 – Dec 2020

- Built and operated a luxury fashion e-commerce business with global reach.
- Developed proprietary automation software with 200+ active paying subscribers.

Junior Software Engineer & Cyber Security Researcher

Force Software Ltd · REMOTE WORK

Feb 2017 - Apr 2019

- Developed Python and Java automation tools for e-commerce; built scalable Node.js/MongoDB backends.
- Conducted security research into bot-protection systems; grew company social following to 50,000+ users.

EDUCATION

BSc Applied Data Science · Bangor University

UNITED KINGDOM

Jan 2020 - Jul 2024

- Applied machine learning to predict workplace accidents using real operational data at Airbus.

SKILLS

Languages

Python · Java · JavaScript · Node.js

Data & ML

Machine Learning · Palantir Skywise · Data Visualisation

Security

Cybersecurity · Bot-protection research · Access controls

Leadership

SAFe Agile · Digital transformation · R&T programme mgmt

Automation

Process automation design · £100K+ cost savings delivered