James Seekings

Overview.

James is a highly analytical and efficient engineer with over three years of experience within the fast-paced aerospace industry. He has a successful track record for producing and implementing various software tools in his roles, including configuring a cloud-based laboratory information management system to enable vast accessibility and collaboration between teams. Within a working environment, James has an adaptable attitude and values building strong rapport and reliable relationships with colleagues and clients. James' pursuit of a permanent career change toward DevOps engineering follows on from his studies with MIT edX (Computer Science and Programming Using Python) and Cisco (DevNet Programme).

Additionally, James has undertaken voluntary work for the Scottish Tech Army to maintain and develop its AWS Cloud infrastructure.

Work Experience.

JAN 2021 – FEB 2022

LUFTHANSA TECHNIK LANDING GEAR SERVICES – PROCESS ENGINEER - MATERIALS AND SURFACE TECHNOLOGIES

Duties Included:

- Responsible for creation, review, and continuous improvement of plating shop processes and standards.
- Lead weekly stand-up meetings with heads of management on plating shop KPIs.
- Defining chemistry and hardware requirements for LTLGS future capabilities including Airbus A380.
- Successfully executed projects for current and future plating shop capabilities on a scale of £500k.
- Configured a cloud-based laboratory information management system (LIMS), which lead to improving data accessibility across Lufthansa Technik AG resulting in an increased workflow efficiency of 20%.

Education.

SEP 2014 – JUL 2019

BRUNEL UNIVERSITY LONDON – MASTER OF ENGINEERING (MEN) IN AEROSPACE ENGINEERING WITH PROFESSIONAL DEVELOPMENT

Final Project: Developed a high payload and endurance coaxial UAV for concrete infrastructure monitoring. Conducted market research into current commercial projects, highlighting their features and limitations. Investigated available hardware and equipment to attain the desired performance capabilities. Performed static thrust tests on Turnigy and RCbenchmark thrust stands to determine final performance. Initialised brief indoor and outdoor tests to demonstrate the UAVs ability to self-stabilise. Final test captured and outlined defects using a crack detection algorithm whilst in 19mph winds.

SPARTA GLOBAL

#equality on focus:

my achievements represent me better than my picture

DevOps Engineer

Training.

- Agile and Scrum
- Version Control (Git)
- Python
- Virtualisation
- Vagrant
- VirtualBox
- CI/CD
- Jenkins
- IaC
- Ansible and Terraform
- Docker
- Kubernetes
- AWS

Languages.

- German (A2 qualified)
- Indonesian (Intermediate)

Contact Us.
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Key Modules: Aerodynamics, Propulsion Systems and Space Mechanics; Solid Body Mechanics; Thermofluids; Computing, Analytical Methods, Control and Instrumentation; Design and Analysis of Aircraft and Aerospace Vehicles (Aircraft Structures and Materials, Airworthiness and Stability and Control); FEA, CFD and Numerical Modelling; Flight Testing and Analysis; Professional Engineering Applications and Practice.