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Professional Profile:

A creative, innovative, flexible, focussed and dependable entrepreneur, engineer and manager; a versatile team player with a proven ability to get results and capable of working with people from various backgrounds; Possess excellent interpersonal skills with ability to develop mutually beneficial partnerships and driven with an excellent record of making positive contributions to the achievement of project objectives.

I possess the ability to design, develop, research, maintain and test the performance of space vehicles, civil and military aircraft, missiles, weapon systems and satellites.

As an Aerospace engineer/Rocket scientist I have developed strong technical knowledge of aerospace systems and manufacturing; the artistry to think imaginatively/creatively and be innovative, particularly when it comes to developing designs; problem-solving and analytical skills for dealing with various repairs; meticulous attention to detail and a methodical approach to work; a level of commercial awareness and knowledge of the aerospace industry; communication and team working skills when dealing with colleagues; the capacity to work to deadlines with self-motivation; organisational and time-management skills; the prowess to cope with new demands and new problems to be solved; a desire of aviation, aircraft and flight technology.

Education:

2008- 2011

COVENTRY UNIVERSITY

BEng (Hons) Aerospace Systems Engineering - 2.1

2010-2011

Selected Modules for 3rd year; Individual Project (69), Avionic systems II (65.5), Pilot's Licence Theory 3 (75)

2009-2010

Selected Modules for 2nd year;
Engineering Management (67), Engineering Mathematics II (87.5), Flight Dynamics, Control and Modelling (61.3), Private Pilot Licence Theory 2 (90)

2009-2010

Selected Modules for 1st year;

Mechanical Science (73), Engineering Mathematics I (75.5)
Electrical and Electronic Engineering (88.75)

Fluid mechanics, astrodynamics, propulsion, aircraft structures, materials science, aero elasticity, aero acoustics, risk and reliability, materials and structures, systems integration were all well covered in the aerospace course.

Unmanned Aerial Vehicle projects were done both at individual and group level.

2006- 2008

Aga Khan High school, Kampala
Attained International Baccalaureate Diploma with Physics, Chemistry and Maths at were done Higher Level (HL).

2003-2006

St. Mary's College, Kisubi
UCEs 14 in 8, An average of distinctions. Always in the top 10 of the class

1997-2002

Lakeside Academy, Entebbe.
Aggregate 4, getting four distinction 1s, was the best in the Municipality, and the Head Prefect at the school.

Employment:

2011-present

Worked at the Airbase and Entebbe International airport with Uganda Air Cargo Corporation in the engineering and maintenance department.

I later joined Almiron Aviation as the head of their engineering department. The latter had an MOU with Uganda Air Cargo Corporation and they did work hand in hand.

I lead a team in 2012 to go inspect Aviation Technical Services (ATS) a Maintenance Repair and Overhaul (MRO) facility adjacent to the Boeing factory in Everett, Washington, U.S.A together with engineers from C.A.A.

Future of Flight aviation Center & Boeing, Mukilteo, Washington, U.S.A

I also lead a team to the UAE to carry out inspection on a Lockheed L1011 which we Almiron Aviation was interested in purchasing. I didn't find it airworthy and this was later confirmed by a team I took from CAA to Fujairah, UAE.

Under Almiron Aviation, we transported aid into Port Baidoa airport in Somalia, transportation of cattle from South Africa to Rwanda among many other works.

Managing Director/ C.E.O Rupa Consult/Rupa Petroleum Director at KAWA Uganda (ICT integration for enhanced teaching and learning. We've got an MOU with the ministry of Education that allows my team (my former school teachers

from SMACK) to retool the current teaching workforce using ICT, bridging the education quality gap that exists in the UPE and USE government schools, developing digital content for both UPE and USE schools. This is a programme I have self funded to date and its ongoing.

Aerospace/ Aviation consultant.

Business development director/RPAS consultant Aratos Swiss

Lead consultant (& did Forensic analysis) on the Unmanned Aerial Vehicle (UAV/ drone) that landed inside State House Nakasero. Did the work under supervision of the IGP/Uganda Police Force and the Special Forces Command (SFC)

Attended an Aerospace Exhibition at the New England Aerospace Museum (NEAM), Windsor Locks, New England, Connecticut, U.S.A.

Ongoing consultancy/work with Ministry of Tourism/ Uganda Wildlife Authority (UWA).

Currently writing concept papers for the commercial viability of Unmanned Aerial Vehicles/ systems (sUAVs/sUAS) in various activities such as agriculture, mining, GIS, surveying, environmental protection and inspection of infrastructure in Uganda

Key experience:

Leadership and Supervisory skills;

As founder, C.E.O of Rupa Consult/ Rupa Petroleum and director at KAWA Uganda, it's been quite an exciting experience start up a company from scratch

I have learnt how to lead by nature of my position and circumstances. I decide the direction the company takes in terms of projects to engage/get involved in. I've learnt how to manage people and money and get the best out of them.

Starting and sustaining a company has put to test all the skills mentioned below and so many more. One needs to evaluate the position of the company every now and then, it's performance, effectiveness, efficiency, strengths, weaknesses and one should be able to assess their own abilities and weaknesses and then hire personnel to cover your weaknesses. That way you get the best out of the company, set realistic and achievable goals, launch new products, diversify into other areas of opportunity. It's helped me develop and mature within a very short time and my perspective of the world has changed greatly, to mention but a few. I have working partnerships with a Swiss aerospace company (Aratos Swiss), a Belgian company and one Israeli company.

Work as General Manager at Little Ritz restaurant (family business) during vacations.

Built effective relationship with staff giving direction especially during busy times and the company has grown from a small to a mid sized company and a leader in catering services within the hospitality industry.

Was responsible for a group of Primary and Lower Secondary students as CAS for the I.B Diploma

Supervised a number of activities including Sports, Reading, and Debates

Head Prefect at Lakeside Academy.

Team work and Initiative skills;

Involved in a number of team roles; Member of School Rugby team, Group volunteer at Watoto Baby's Orphanage. All roles have required coordination, planning, listening, defining individual responsibilities and synthesis of duties to achieve specific goals.

Able to take own initiative when required

Key experience cont.:

Organisational and Planning skills;

Setting up structures for KAWA and Rupa has tested and shaped my organisational and planning abilities, taking on projects of all sizes, learning how to delegate work, select good managers and also get the best out of people. (For example for our KAWA projects in northern Uganda, the pilot project was in Nebbi district)

Excellent planner with good time keeping skills shown by my ability to balance my company activities, family business and when I was still at University, balancing the course with active participation in trading financial securities and commodities on a daily basis for last two years of my degree. I learned how to use my mathematical and statistical theories to develop the abilities to give analysis and management of financial opportunities in the financial markets worldwide.

Creative Skills;

Been involved in a number of Projects that required creativity; In Rupa Consult/ Rupa Petroleum

During CAS part of the IB diploma programme; building houses for victims of war in North Uganda using provided materials, building and painting a school.

With KAWA, we are carrying out Continuous Professional Development for teachers in regions of West Nile, Acholi and Lango region after which they are given certificates through our partners; MUBS & MUK.

Together with my team, we came up with innovations to solve the current challenges in our education systems using ICT, taking my skills developed over the years to benefit the people around me and giving hope to the hopeless, the underprivileged people in our society.

Member of Model United Nations which involved coming up with solutions to some of the issues in different parts of the world

Computer Literacy;

Extensive knowledge of Microsoft applications i.e., Word, Excel, Access, Presentation and a variety of other software applications like Solidworks for Computational Fluid Dynamics where we would use numerical analysis and algorithms to solve and analyse problems that involve fluid flows, Cambridge Engineering Selector (CES) for materials science and many others.

Technical Skills and responsibilities

Proficient in the use of Matlab, which has been extensively used on the Aerospace Systems engineering 3 year course. Capable of using HyperMesh and CATIA for advanced structural and component analysis. Proficiency in CES, Solidworks, CFD programs for fluid dynamics/mechanics and many of the same nature.

Responsibilities;

- * applying the principles of science and technology to create aircraft, components and support equipment;
- * researching and developing design specifications and using computer-aided design (CAD) software to create plans;
- * supervising the assembly of airframes and the installation of engines, instruments and other equipment;
- * taking part in flight-test programmes to measure take-off distances, rate of climb, stall speeds, manoeuvrability and landing capacities;
- * resolving issues that arise during the design, development and testing processes;
- * maintaining aircraft for full operation including making regular inspections, maintenance, repairs and servicing;
- * measuring and improving the performance of aircraft, components and systems;
- * modifying designs to improve safety features or minimise fuel consumption and pollution;
- * investigating aircraft accidents;

- * collating information, interpreting data and publishing the results of specific projects in technical report form;
- * project managing, including scheduling resources and staff and managing budgets;
- * communicating technical and regulatory advice to clients, teams, suppliers and other professionals within the aerospace industry and presenting data to groups and individuals.

Further Skills and Interests:

Languages; I speak three African Languages and English. I am currently doing work to improving on my French, Italian and German which I learnt earlier in high school. I represented SMACK in a German poem recitation competition. Did French composition and listening plus grammar when I was doing the IB diploma programme.

Sports, games and Hobbies; I enjoy the competition and teamwork of rugby, which I played at school team level. I love the concentration, strategy and critical thinking involved in golf, chess and poker; which I all play. I fly a Cessna 172, which I did my PPL lessons on. I also play football, lawn and table tennis.

Referees:

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