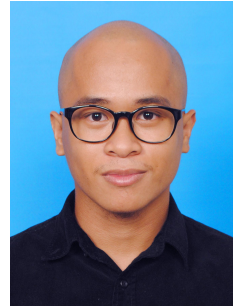


Danial Ashraf Bin Shamsuri

Miri, Sarawak

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SUMMARY

Engineer | Mechanical and Manufacturing Engineering Graduate | Mechanical Trainee

- **Detail-oriented individual** with 2 years of experience and proven knowledge of radio telecommunications, project management, CAD software, and power distribution systems.
- **Skilled in mechanical systems.** Able to do basic machine (motorcycle) inspection and maintenance. Possess the ability to handle various tools and equipment in performing the required tasks.
- **Familiar with prototyping processes,** product design and testing. Utilising TRIZ design principle in finding solutions for specific problems. Applying engineering principles in testing and improving the said prototype.

KEY SKILLS

Technical Skills: Project management, Mechanical troubleshooting and maintenance, Drafting

Software Skills: Microsoft Office, Microsoft Project, ProjectLibre, AutoCAD, SolidWorks, 3D-Printing

Soft Skills: Adaptability, Communication, Analysing, Team leadership, Problem-solving

EXPERIENCE

Sapura Research Sdn. Bhd., Sibul, Sarawak, *June 2022 - Present*

To manage and maintain Government Integrated Radio Network (GIRN), a telecommunication network for the government.

Field Support Engineer

- Perform troubleshooting for docket of telecommunication equipments and Genset on site.
- Conduct In Cabin and site preventive maintenance as per PM master schedule.
- Conduct engineering analysis and propose solutions for rectification to prevent reoccurrence of network issues.

Fatimah Bersatu Sdn. Bhd., Miri, Sarawak, *July 2020 - June 2021*

The company specialises in electrical contract work, 11kV and 33kV overhead line construction.

Project Engineer (PROTEGE)

Liaised with the client, consultant, suppliers, and site project team members to ensure smooth communication between all parties. Controlled project plan by reviewing design, specifications, bill of quantities, and cost variation.

Select Highlights:

- Redesigned 11kV power distribution system, via AutoCAD for three rural clusters under a project with assistance from Project Competent Person and Site Supervisor.

- Managed documentation on design drawings, monthly progress reports, bill of quantities revisions, and payment claims.
- Assisted Site Manager and Site Supervisor supervise a team of 8 General Workers while keeping a record of progress and issues on site.

Sarawak Energy Miri Power Station, Miri, Sarawak, June 2018 - August 2018

A natural gas power plant with a generation capacity of 102MW to supply electricity to Miri City.

Mechanical Trainee

Trained in three major departments of Miri Power Station; Maintenance Department, Operation Department, and EOSH Department with respective involvement of 60%, 30% and 10%.

Select Highlights:

- Operated on Gas Turbine Set No.8 barring motor removal, lube oil cooler fans repair and maintenance with guidance from two Senior TA.
- Performed constant checks and inspections on gas turbine running conditions (fuel pressure, lube oil pressure and temperature, cooling water temperature, and other critical parameters).
- Worked together with EOSH Team in hazard identification, risk assessment, scheduled waste management and equipment inspection ensuring a safe working environment for staff.

EDUCATION

Bachelor of Engineering with Honours, Mechanical and Manufacturing Engineering, June 2019

Universiti Malaysia Sarawak (UNIMAS), Kota Samarahan, Sarawak

CGPA: 3.26

Extracurricular Activities:

ExCo Logistics, Transportation and Safety, Student's Association Faculty of Engineering, 2017/2018
UNIMAS Faculty Engineering Petanque Team Manager, KESUMAS, 2019

ACHIEVEMENTS

- Disciplined in calisthenics for improved health and increased strength.
- Team Manager for SUKSAR II 2019 Petanque Team (Zon Utara). Managed 14 athletes and two coaches from three districts; Miri, Limbang, Bintulu in SUKSAR II 2019.
 - Team Achievements: 1 Gold, 1 Silver, and 3 Bronze Medals in the Petanque event.

PROJECTS

Industrial Training Project: [\[Link\]](#) (2018)

Restoration of Gas Outlet Pipe - Assisted two mechanical fitters on exposed gas pipe restoration work; insulation and repainting. Fabricated the barricade used to enclose the exposed gas pipe.

Final Year Project: [\[Link\]](#) (2019)

Designing and Fabricating 3D-printed Modular Drone - Designed a UAV with modularity abilities using CAD software based on TRIZ design principles. Tested the design using FEA tools to simulate real-world load conditions. Fabricated a prototype along with its modular attachments using 3D printing technology.