



JOHN PAUL DESOLOC

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SUMMARY

Results-oriented Mechanical and Mechatronics Engineer seeking a challenging position to apply expertise in designing and implementing innovative solutions for complex engineering challenges. Proven track record of success in project management, problem-solving, and cross-functional collaboration. Adept at utilising cutting-edge technologies to optimise processes and enhance overall efficiency.

WORK EXPERIENCE

Mechatronics Engineer, Borcelle Technologies Jan 2023 - Present

- Led development of an advanced automation system, achieving a 15% increase in operational efficiency.
- Streamlined manufacturing processes, reducing production costs by 10%.
- Implemented preventive maintenance strategies, resulting in a 20% decrease in equipment downtime.

System Engineer, Arrowai Industries Feb 2021 - Dec 2022

- Designed and optimised a robotic control system, realizing a 12% performance improvement.
- Coordinated testing and validation, ensuring compliance with industry standards.
- Provided technical expertise, contributing to a 15% reduction in system failures.

Junior Project Engineer, Salford & Co Manufacturing Mar 2020 - Jan 2021

- Managed full lifecycle of a cutting-edge automation project, meeting all milestones.
- Conducted feasibility studies and risk assessments, mitigating potential project risks.
- Collaborated with clients, leading to a 25% increase in customer satisfaction.

EDUCATION

Bachelor of Mechatronics Engineering with Honours Aug 2016 - Oct 2019

University of Engineering Excellence

- Major in Automotive Technology.
- Thesis on "Technological Advancements within the current Mechatronics Industry".

Diploma in Mechanical Engineering May 2014 - May 2016

Engineering University

- Relevant coursework in Structural Design and Project Management.

ADDITIONAL INFORMATION

- **Technical Skills:** Mechatronics System Integration, Automotive Engineering Technology, Project Management, Robotics and Automation, CAD for Mechatronics.
- **Languages:** English, Malay, Japan.
- **Certifications:** Professional Engineer (PE) License, Project Management Professional (PMP).
- **Awards/Activities:** Actively participated in the "Innovation for Tomorrow" community outreach program, promoting STEM education and inspiring local students.