BENJAMIN SHAH

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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 s 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

University of Engineering Excellence  Major in Automotive Technology.

## Aug 2016 - Oct 2019

Thesis on "Technological Advancements within the current Mechatronics Industry”.

## Diploma in Mechanical Engineering

Engineering University

 Relevant coursework in Structural Design and Project Management.

**May 2014 - May 2016**

# 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.