

Qamarul Arifin Bin Arip

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Nationality: Singaporean | Availability: 1 month notice

PROFESSIONAL SUMMARY

- Engineering Professional with extensive experience in equipment engineering in the semiconductor manufacturing industry and certification in Software Engineering.
- Excellent expertise in maintaining advanced equipment or machinery and ensuring products processed from the machines are of high quality. Notable successes in MERN stack: MongoDB, ExpressJS, ReactJS, NodeJS, having completed a software engineering immersive programme offered by General Assembly. Proven abilities in leading and working with high-performing, multi-cultural and cross-functional teams in delivering and deploying multiple remote and on-site projects.
- An effective communicator who is capable of translating complex challenges into actionable outcomes. Excellent ability to engage stakeholders across all levels to bring about commercial and business growth and achieve organizational KPIs.

AREAS OF EXPERTISE

- | | | |
|---------------------------------------|----------------------------------|---------------------------|
| • Software Engineering | • Strategic Leadership | • Analytical |
| • Equipment Engineering | • Team Supervision & Development | • Detail-oriented |
| • Stakeholder Relationship Management | • Troubleshooting | • Effective Communication |

TECHNICAL EXPERTISE

- | | | |
|---------------------------------|--|--|
| • JavaScript, HTML, CSS, jQuery | • Bootstrap, REST API, Heroku Deployment | • MERN Stack: MongoDB, Express JS, React JS, Node JS |
| • React Native with Expo | | • Python programming, GIT |

CAREER HISTORY

Qualcomm RF360 Singapore Pte Ltd

Apr 2017 – Present

Equipment Engineer (Photolithography)

Responsibilities:

- Lead a team of technicians on new machine qualification projects for factory expansion in 2021
- Develop and implement maintenance SOP, out-of-control action plans (OCAP) and work instructions
- Train new engineers and technicians to build their capabilities to troubleshoot and resolve issues
- Implement a machine parts tracker to facilitate reference and efficient ordering of spare parts promptly

Key Contributions / Career Highlights:

- Reduced equipment downtime by 30% by enhancing preventative maintenance procedures
- Recommended machine issue resolution, resulting in zero recurrence
- Coordinated with cross-functional teams resulting in the qualifications of multiple new products
- Received a 5-Year Long Service Award
- Relocated machines to the new building, created technical specifications for machines procurement
- Collaborated with cross-functional stakeholders on factory layout, process requirements, technical issues and safe machine relocation

JCET Statschippac

Sep 2014 – Apr 2017

Equipment Engineer (Automated Optical Inspection)

Responsibilities:

- Coordinate with customers and cross-functional teams on quality incidents and 8D review
- Conduct risk assessments and support factory automation projects, such as EI-VEI and Recipe Management System
- Process machine robot teaching, machine repairs and troubleshooting
- Execute machine parts and servicing PO requests and follow-up procedures

Key Contributions / Career Highlights:

- Reduced quality incidents and machine downtime by 30% through machine upgrade
- Resolved particles generated by wafers from the backside coating material via an automated dusting machine scheduled to clear off any particles from the laser marker chamber, which was implemented as a preventative maintenance routine

PROFESSIONAL CERTIFICATIONS / COURSES / TRAINING

Software Engineering Immersive Certificate, General Assembly 2022

Projects:

- *A Colour-Changing Mastermind Game*
- *A Book Finder App*
- *RoundUp (A Budget Expense App)*
- *Ummi Bobbins (A Babysitter Booking App)*

Udemy 2020 Complete Python Bootcamp: From zero to hero in Python, Udemy 2020

Develop a Risk Management Implementation Plan, Workforce Skills Qualifications 2016

Apply "8 Disciplines" Problem Solving Approach, Workforce Skills Qualifications 2016

Manage Failure Mode and Effective Analysis (FMEA), Workforce Skills Qualifications 2015

Lufthansa Technical Training Singapore: SAR-66 B1.1-Module M6/M7 Basic Training, Temasek Polytechnic 2010

EDUCATION

Bachelor of Engineering in Mechanical Design Engineering, University of Glasgow 2014

Diploma in Mechatronics, Temasek Polytechnic 2010