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| **qamarul arifin** Bin arip  Mobile: +65 9459 5435  Email: [qamarularifin@hotmail.com](mailto:qamarularifin@hotmail.com)  LinkedIn: <http://www.linkedin.com/in/qamarularifin>  GitHub: <https://github.com/qamarularifin>  Citizenship: Singaporean  Top of Form  Bottom of Form |
| ***An equipment engineer with 7 years of experience in the semiconductor industry. I have managed various  stakeholders in coordinating projects alongside cross-functional teams in achieving product quality and output goals. Recognized for delivering strong results under tight deadlines, I have achieved project implementations in a timely manner. I aim to bring my management skills to my software engineering career and build technology that makes life better.*** Software Engineering projects **SOFTWARE ENGINEERING IMMERSIVE,**  GENERAL ASSEMBLY AUGUST 2021 TO FEBRUARY 2022, Singapore **Built the following projects from scratch:**  **Project 1 A Colour-Changing Mastermind Game**   * **Summary**: Guess the colour of hidden pegs. A deduction game where player makes a limited number of guesses, using logic to deduce what pegs were hidden. * **Technologies**: JavaScript, HTML, CSS and DOM manipulation with jQuery * **Links**:   <https://qamarularifin.github.io/Project-1/>  <https://github.com/qamarularifin/Project-1>  **Project 2 A Book Finder App**   * **Summary**: A book finder application where users can search for their favourite books based on the book title. The application also allows the user to favouritise their chosen book and allows the option for user to purchase it via a button that routes them to the actual book website. * **Technologies**: React JS, Google Books API, New York Best Seller API, Material UI, Local Storage for Favourite Page * **Links**:   <https://qamarularifin.github.io/Project-2>  <https://github.com/qamarularifin/Project-2>  **Project 3 RoundUp (A Budget Expense App)**   * **Summary**: The RoundUp App allows user to track their net worth, income, expenses and investments all in one app, which solves the pain point of the conventional budgeting app where tracking of investments is usually not supported. Hence, users of the RoundUp App can know their financial health, empowering them towards achieving or improving financial literacy. * **Technologies**: React Native with Expo, MongoDB, Express, NodeJS, Finnhub (US stock data), CoinGecko (crypto data) * **Links**:   <https://github.com/qamarularifin/RoundUp>  <https://github.com/qamarularifin/RoundUp-BE>  **Project 4 Ummi Bobbins (A Babysitter Booking App)**   * **Summary**: An app that allows users to either sign up as parent or babysitter. Parents can select a babysitter based on available dates and make a booking. Babysitters can either accept the job or cancel it. * **Technologies**: MERN stack: MongoDB, Express JS, React JS, Node JS, Antd, React-Bootstrap, Stripe Payment * **Links**:   <https://project-4-ummibobbins-fe.herokuapp.com/>  <https://github.com/qamarularifin/Project-4_UmmiBobbins_FE>  <https://github.com/qamarularifin/Project-4_UmmiBobbins_BE> |

# EXPERIENCE

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| EQUIPMENT ENGINEER (Photolithography), **QUALCOMM RF360 SINGAPORE PTE LTD**april 2017 to present, SIngapore  * Led a team of technicians on new machine qualification projects for factory expansion * Successfully reduced equipment downtime by 30% by enhancing the preventative maintenance procedures * Contributed a recommendation to solve a machine issue which resulted in 0 repetition of the problem * Developed and maintained Maintenance Procedures (SOP), Out of Control Action Plans (OCAP), and Work Instructions * Conducted practical training sessions to new engineers and technicians on problem solving and troubleshooting techniques to build-up their technical competencies * Successful coordination and collaboration with cross-functional teams resulted in multiple qualifications of new products * Implemented a machine parts tracker for ease of reference and efficient ordering of spare parts promptly  equipment Engineer (Automated optical inspection), **JCET statschippac**September 2014 to April 2017, singapore  * A participant and meeting coordinator with customer and cross-functional teams regarding quality incidents and 8D review * Trained in Risk Management and conducted risk assessments of work activities * Successfully coordinated machine upgrade works which reduced quality incidents and machine downtime by 30% * Active contributor and coordinator in factory automation project initiatives such as EI-VEI and Recipe Management System * Possess hands-on familiarity on machine robot teaching, machine repairs, and troubleshooting * Familiar with machine parts and servicing PO request and follow-up procedures |

# EDUCATION

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| **BACHELOR OF ENGINEERING IN MECHANICAL DESIGN ENGINEERING,**  UNIVERSITY OF GLASGOW SEPTEMBER 2012 TO JULY 2014, Singapore / United Kingdom  * Graduated with 2nd Upper Class Honours * Traveled abroad for an Overseas Immersion Programme in University of Glasgow, Scotland * Served 1 year internship at Institute of Materials Research and Engineering (A\*STAR) * Final-Year Project Title: A Study for Alkaline Cleaning of Electroformed Nickel Mold as a Post Processing Step prior to Nanoimprinting Application   **DIPLOMA IN MECHATRONICS,** TEMASEK POLYTECHNIC  **APRIL 2007 TO MAY 2010, Singapore**   * Served 6 months of internship at Lufthansa Technical Training Centre * Received Lufthansa Technical Training Certificate of Recognition | |

# PERSONAL achievements

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| * General Assembly Software Engineering Immersive Certificate * Udemy: Complete Python Bootcamp | * Bronze medal for 31st National Taekwondo Championship (Liang Seng Cup) * Silver medal for Army Half Marathon |

# Skills

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| * JavaScript, HTML, CSS, jQuery * React Native with Expo * Bootstrap, Python, API, Heroku Deployment * Data Analysis Software: Minitab 17 & JMP * 3D modelling with Solidworks | * MERN stack: MongoDB, Express, React JS, Node JS * Python programming * Failure Modes Effects Analysis (FMEA) * Microsoft Excel, PowerPoint, Word, OneNote |
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# Certifications

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| * General Assembly Software Engineering Immersive Certificate * Udemy 2020 Complete Python Bootcamp: From zero to hero in Python * Develop a Risk Management Implementation Plan | * Apply “8 Disciplines” Problem Solving Approach * Manage Failure Mode and Effective Analysis (FMEA) * Lufthansa Technical Training Singapore: SAR-66 B1.1-Module M6/M7 Basic Training |

# languages

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| * English – Proficient * Arabic – Beginner | * Malay & Bahasa – Proficient |