

Sahen Shah

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WORK EXPERIENCE

Intermediate Software Engineer, Digital Applications International (Dematic Software) Ltd, Manchester, September 2021 - Present

- Commissioning (On site and remote) of Material Handling Equipment, put-to-light devices, Dematic MultiShuttle sections which included low level (PLC) automation system testing
- Collaborated with customers for high level system integration testing
- Responsible for various post live software functionality fixed and upgrades across the complete scope of the WMS
- Responsible for various software fault investigation, troubleshooting, root-cause analysis and subsequent fault fixing of reported on site faults, bottlenecks and/or inefficiencies observed in the system
- Responsible for functional software changes, software deployments & releases and technical support
- Working Experience with Dematic Multi-Shuttle System, Dematic Pouch Sortation System, Materials Handling Equipment and conveyor systems, Put-To-Light devices amongst other warehousing systems as well as a SQL and Management Information Systems for data analysis and management

Software Engineer, Digital Applications International (Dematic Software) Ltd, Manchester, England, September 2018 – September 2021

- Developed different areas of functionality for a Warehouse Execution System for large fashion retailers' omni channel distribution centres, including writing operator interface screens and automation processes
- Involved in bug fixes including analysing data and system logging to troubleshoot and resolve operational inefficiencies and bottlenecks to optimise various warehouse operations
- Involved and assisted with site go-live & post go-live maintenance

Engineering Intern, SMC Corporation, Milton Keynes, England, August 2016- July 2017

- Performed minimum operating pressure tests and leakage tests on various pneumatic actuators undergoing life tests, collecting relevant data to determine the efficiency of actuators over various operating ranges
- Assisted in crack testing, response time testing and position analysis of custom and prototype actuators facilitating precision data collection and analysis for possible design improvements
- Modelled over 550 parts from technical drawings and used them to model a full series of a pre-released actuator model on Solidworks 3D to prepare for orders, special design requests and calculations relating to the new model
- Underwent the Introduction to Pneumatics and Electro Pneumatics (Ep1) training course from the National Fluid Power centre (NFPC)
- Conducted market research for pneumatic and electro pneumatic positioning systems and grippers, to assist research and design for expanding/improving SMC products
- Initiated and self-learnt the basics of 3D animation using Blender, to animate a 3D CAD model of a positioning system, modelled from technical drawings, as part of a teaching module to be distributed to European subsidiaries
- Led a research and design project to design a unit for an efficient mounting of a specific pneumatic valve series to a new series of actuator taking into consideration ease, aesthetics and costs of the new mounting method
- Investigated GanttProject project management software for its usefulness in the company; prepared and presented a standardised procedure for integration and use of the software in all engineering projects

EDUCATION

University of Manchester, UK, September 2014 – 2018

BEng (Hons) Mechanical Engineering

Modules learnt include:

- Mechanical Engineering Systems, Manufacturing Engineering, Structures, Engineering Design, Project and Operations Management, Thermodynamics, Numerical Methods and Computation, Modelling and simulation

TECHNICAL SKILLS

- Industrial experience with C programming language and the C-based LAMP stack
- Industrial warehouse management software and systems engineering, testing, commissioning
- Working experience with HTML, Bash, SQL, React, Python, Flask, CSS, Javascript, Linux
- Working experience with Microsoft office tools Word, PowerPoint, Excel, Access etc.
- Intermediate level in Solidworks modelling (Experience with modelling and creating production drawings)
- Can operate MATLAB engineering-based software
- Can use GanttProject project management-based software
- Experience with Blender 3D graphics and animation software
- Full Kenyan driving licence
- Full UK driving licence

LANGUAGES

- English (native), French and Gujarati (intermediate), Swahili (basic)

OTHER INTERESTS

- Socially play hockey, football and golf, enjoys gaming, hiking and travelling

References – available upon request