

Sahen Shah

Email: sahenshah95@gmail.com

LinkedIn: <https://www.linkedin.com/in/sahen-shah/>

Website: <https://sahenshah.github.io/>

Software Engineer with 5+ years of experience in software development, system integration, and live support within warehouse automation. Proven track record in delivering robust software solutions and debugging complex systems. Known for my strong communication skills, I am seeking opportunities in full-stack development that challenge my continuous learning mindset.

EDUCATION

University of Manchester, UK

BEng (Hons) Mechanical Engineering, 2018

WORK EXPERIENCE

Digital Applications International (Dematic Software) Ltd, Manchester, UK

Intermediate Software Engineer, September 2021 – Present

- Deliver functional software changes, releases, and technical support throughout the Warehouse Management System (WMS) lifecycle for 2 large WMS systems working with over 10 materials handling subsystems
- Develop automation, backend and UI components, and dashboards for large-scale WMS's using C, HTML and Linux
- Support system and site go-lives and post-launch maintenance for high-profile retail clients
- Provide 24/7 on-call support for 3 WMS platforms, resolving live issues and preventing major downtime, saving clients hundreds of thousands in revenue
- Collaborate with internal and external teams across multiple WMS-integrated systems (e.g. Pouch Sortation), contributing to the development and implementation of solutions

Graduate Software Engineer, September 2018 – September 2021

- Led a team of 2-4 people remotely and conducted in person on-site commissioning of material handling systems, including MultiShuttle and put-to-light and conveyor sub systems for a major US omni channel distribution centre
- Conducted system-level software testing with PLC automation, performing integration testing and verification across complex warehousing operations using TestRail with Unit testing in C
- Resolved 200+ critical post-deployment faults via debugging, root cause analysis, and SQL-based data analysis
- Delivered on-site Black Friday support at two warehouses (US and solo in UK) under a hyper-care contract, ensuring rapid fault resolution during peak operations

SMC Corporation, Milton Keynes, UK

Mechanical Engineer, Intern, August 2016 - July 2017

- Performed mechanical testing and 3D modelling of 550+ actuator components
- Designed a cost-efficient valve mounting solution and self-taught Blender to create 3D training animations

PROJECTS & OPEN-SOURCE

[Chess Web App](#) – Python, Flask, JavaScript, Stockfish, HTML, CSS

Developed a full-stack chess application integrating the Stockfish engine for analysis and AI play. Features include real-time move evaluation, UI interaction, and Flask-based backend routing.

[Portfolio Website](#) – HTML, CSS, JavaScript

Created and deployed a responsive site to showcase technical projects and skills, serving as a live demo of front-end proficiency and professional branding.

[CS50x](#) (Harvard Online Course) – C, Python, JavaScript, HTML, CSS, Flask

Gained hands-on experience in algorithms, memory management, low-level programming, and web development.

[Hexapod Robot](#) – Python, Raspberry Pi

Built a robot controlled via PC, Android or iPhone, using a raspberry pi and python, complete with microphone and camera modules and 18 servo motors for leg actuation.

CORE SKILLS AND TOOLS

Languages: C, Python, SQL, Javascript, HTML, CSS, Bash

Frameworks/Tools: Flask, React, Git, Solidworks, MATLAB, Docker

OS: Linux, Windows

Software: Blender, GanttProject, Microsoft Office, TestRail

Spoken languages: English (native), French and Gujarati (intermediate), Swahili (basic)

Other: CI/CD Basics, System Debugging & Troubleshooting