

Rikie Patrick

Software Engineer



 rikie-patrick

 1sAndZeros

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Summary

I'm a passionate Software Developer with a keen eye for detail and a talent for collaborating with clients to bring their visions to life. My background in manufacturing engineering ignited my interest in technology and coding, leading me to self-study web development for over a year before enrolling in the Makers Academy Bootcamp. Leveraging the skills I honed as a CNC Programming Engineer in aerospace, I made a career transition into coding, fueled by my newfound love for software engineering. I've dedicated extensive hours to mastering web development, from HTML, CSS, and JavaScript to advanced technologies like React, Node.js, and Python, with invaluable support from Makers Academy.



Technical Skills

Languages

- HTML, CSS, JavaScript, Node, React, Python, Swift

Databases

- Postgres, MongoDB

Testing

- Playwright, Jest, Cypress, Pytest

Version Control

- Git, Github



Projects

Project	Description	Tech Stack
Acebook	Group project recreating a social media web app	MongoDB, Express, Javascript, Node, Jest, Cypress
MakersBnB	Group project AirBnB clone	Python, Flask, PostgreSQL, Pytest
Football Guessing Game	An app game where you have to narrow a premier league player based on stats of the previously guessed players	React, Javascript, Tailwind, MaterialUI



Education

Software Engineering Student

Makers Academy

July 2023 to October 2023

- Collaborated on diverse group projects, using pair programming techniques to enhance problem-solving efficiency and communication skills, delivering high-quality solutions.
- Participated in emotional intelligence workshops, fostering the ability to recognize and manage emotions both personally and in team dynamics.
- Embraced a test-driven development approach throughout coding challenges, effectively using testing frameworks such as Pytest, Jest, Playwright, and Cypress.



- Engaged in regular code reviews with peers, providing and receiving constructive feedback.
- Demonstrated adaptability by acquiring new programming languages and frameworks and successfully applying them to various projects.
- Acted as a mentor to fellow bootcamp participants, sharing knowledge and expertise.
- Demonstrated proficiency in Agile methodologies and successfully implemented the Model-View-Controller (MVC) architectural pattern in various coding bootcamp projects.

BTEC Level 4 HNC Diploma in Mechanical Engineering - Distinction

Haверing College - *September 2014 to August 2016*

- Analytical Methods for Engineers, Engineering Science, Project Design, Implementation and Evaluation, Mechanical Principles, Applications of Pneumatics and Hydraulics, Fluid Mechanics, Strength of Materials, Advanced CAD, Business Techniques for Engineers

BTEC Level 3 National Certificate in Mechanical Engineering - Distinction Merit

SEEVIC College - *September 2007 to August 2009*

Work Experience

CNC Machine Tool Programming Engineer

Ipeco Holdings Ltd - *September 2014 to Present*

- Identified and implemented cost-effective manufacturing solutions
- Liaised with the Engineering Department to ensure manufacturability of new design solutions as well as assisting in the development of new projects and technologies
- Designed tooling solutions to support in-house manufacturing processes
- Reviewed existing manufacturing processes with a view to deliver product cost, time related and/or quality improvements
- Trained new members of staff on the relevant software and machine tools
- Investigated new software and technologies in order to develop the business
- Liaised with various departments to deliver new projects in a timely manner

Technical Apprentice

Ipeco Holdings Ltd - *November 2012 to September 2016*

- Developed core engineering skills such as milling, turning, hand fitting
- Participated in the activities of 'Continuous Improvement' within the Group
- Undertook various ad-hoc projects as required to support the changing requirements of the business
- Completed several qualifications and training courses including a HNC and NVQ Level 2 and 3
- Gained good knowledge of an engineering company by working in 12 different departments over a 12-month period
- Regularly used manual milling machines, lathes and CNCs to produce components

