



# RIKIE PATRICK

FUTURE SOFTWARE  
DEVELOPER



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4 Glenway Close, Maldon  
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## PROFILE

Keen, motivated, prospective software developer with an ambition to swap the manufacturing environment for a new career in the tech industry.

After honing my trade in the world of aerospace, I am hoping to transfer the skills I have built as a CNC Programming Engineer over to a profession in coding. Over the last 6 months I have kept myself busy undertaking online courses using technologies such as HTML, CSS, Javascript, Ruby, Python, jQuery, Node.js, Express.js, React.js, EJS, PostgreSQL, MongoDB.

## PROFESSIONAL EXPERIENCE

### CNC Machine Tool Programming Engineer

Ipeco Holdings

Sept 2012 - Present

- Identified and implemented cost-effective manufacturing solutions
- Liaised with the Engineering Department to ensure manufacturability of potential new design solutions as well as assisting in the development of new projects and technologies
- Completion of CNC Machine Programming activities
- 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
- Aided the Production Management on the installation and commissioning of new plant machinery and equipment
- Provided support to the Production areas to achieve resolutions to technical issues
- Trained new members of staff on the relevant software and machine tools
- Investigated and reviewed new software and technologies in order to develop the business
- Carried out interviews for potential new employees for within the department
- Carried out weekly department reviews to ensure work is being completed when required
- Liaised with various departments to deliver new projects in a timely manner
- Reviewed new components by assigning appropriate material and machine centers and provided setup and cycle time estimates
- Liaised with tooling suppliers to ensure the most efficient and effective tooling is being used

## PROFESSIONAL QUALIFICATIONS

### Ipeco Holdings 2014 - 2016

- Advanced Level  
Apprenticeship in Engineering  
Manufacture (Engineering  
Technical Support)
- EAL Level 3 NVQ Extended  
Diploma in Engineering  
Technical Support (Computer  
Control Programming)

### Ipeco Holdings 2013 - 2014

- Level 3 Diploma in  
Engineering (Units) in  
Mechanical Manufacturing  
Engineering
- Level 2 Award in Health and  
Safety in the Workplace
- EAL Level 2 Award in  
Personal Learning and  
Thinking Skills for New  
Entrants into the Science,  
Engineering and  
Manufacturing Sectors
- Level 2 Award in Health and  
Safety in the Workplace  
(CIEH)
- Level 2 ICT Key Skills
- Level 2 Mathematics Key  
Skills

## SOFTWARE / SKILLS

- EdgeCAM (CAM Software)
- HyperMill (CAM Software)
- CATIA V5 (CAD Package)
- AutoCAD (CAD Package)
- Pro Engineer (CAD Package)
- SAP (ERP Software)
- Mazatrol Programming  
Software (including Smooth)
- Microsoft Office



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## PROFESSIONAL EXPERIENCE continued

### Technical Apprentice

Ipeco Holdings

Sept 2012 – Aug 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 and lathes to produce components
- Set and run various CNC machines including Mazak, Matsuura and Citizen machines
- Developed skills as a CNC programmer and Manufacturing Engineer

## EDUCATION

### Haivering College

Sept 2014 – Aug 2016

- BTEC Level 4 HNC Diploma in Mechanical Engineering (QCF)  
Distinction awarded

### SEEVIC College

Sept 2007 – Aug 2009

- BTEC Level 3 National Certificate in Mechanical Engineering  
Distinction – Merit awarded
- GCSE English Language  
C Grade awarded

### FitzWimarc School

Sept 2005 – Aug 2007

- Achieved 9 GCSEs graded A – C including Mathematics (Grade A), Science (Grade BB – Double Award) and Engineering (Grade BB – Double Award)

## ONLINE COURSES

### Udemy

The Complete 2022 Web  
Development Bootcamp

### Udemy

2022 Complete Python Bootcamp  
From Zero to Hero in Python

### Udemy

The Complete SQL Bootcamp 2022:  
Go from Zero to Hero

### Codecademy

Introduction to Ruby

## HOBBIES AND INTERESTS

- Coding
- Music Festivals
- Travel
- Sport
- Film and TV
- Science

## REFERENCES

Available upon request