John Smith

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Post Code.

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Mechanical Engineer / CNC Machinist

◆ Time Served - Quality Assurance ◆

A recent time served CNC turner having worked with a variety of machine tools, ranging in size from small machines mounted on workbenches to large production machines. Producing precision-engineered products for the offshore, aerospace, medical, manufacturing and production engineering. Working primarily with metals, producing anything from tiny small pins to hydraulic fittings. Excellent 100% attendance record.

Professional Development

Mechanical Engineer	Time Served (Rolls Royce, Apprenticeship)	2003 – 07
NVQ 3, NC/CNC	Machining (Rolls Royce)	May 2007
BTEC Nat Cert	Mechanical Engineering (level 3)	2004
BTEC	Aviation Studies (ATC)	2002
Certificate	Motor Vehicle Maintenance (Evening Class - Current)	2007-08

Professional Experience

Mechanical Engineer (Apprenticeship) *2003 – Present*

Company A

- **As CNC Machinist / Turner:** Experienced on CNC lathes. Using computer numerically controlled (CNC) machine tools to cut, drill, shape and finish products and components. Producing small and large batch quantities of components to meet customer specifications.
- Among the machine tools, experience covers turning machines / lathes, drilling machines, milling machines (limited experience on manual milling machines, helping out when required), drilling and tapping in various materials and computerised machines designed to speed up production
- Setting up material to be worked on and rotating it at speed whilst continually adjusting the lathe's cutting edge to strip away excess metal to precise specifications. Lathe work also used to bore holes and create internal threading.
- Providing a high quality precision engineering for the manufacture of components and assemblies.
- Reading from paper drawings, CAD data using DXF, IGES, STEP and STL, or from native CATIA, ProE and UG models.

Products include parts for the automotive, power, marine and aerospace industries, and manufacturing and machine tools for the engineering sector.

Working from third angle projection technical drawings to program the CNC machine tool. Planning the most efficient sequence of operations for the job. Selecting the appropriate cutting tools for each cut. Selecting the right cutting speeds. Positioning and holding the workpiece for each cut. Converting instructions into a numerically-based program for the computer to follow. Checking that work meets quality and technical guidelines routine maintenance of machine tools.

Key Skills Developed able to understand engineering drawings and instructions, able to work with great accuracy, able to calculate cutting speeds and feeds, possessing a sound understanding of the properties of the materials, strengths and other characteristics of metals, health and safety awareness, able to visualise finished products, excellent numeracy and computer literacy skills.

Professional Experience (Continued)

Cadet Instructor *2000 - 07*

Company B

- Working part time, 2 evenings per week and weekends
- Events and trip organiser and promoter at events such as The Great North Run and Sunderland Air Show.
- As a Range Officer, teaching cadets shooting and safe weapon handling.
- Currently setting up training to NVQ level 2 in motor mechanics and machining for the cadets.

Additional Information

General Education:	8 x GCSEs.
Interests and Pastimes:	Football, computing, motor vehicle maintenance.
Status:	Single.
Born:	1986.

References available on request.