MSc Software Engineering.
Level 7 Professional Career Development Programme

The Professional Career Development Programme is aligned to Digital Technology Solutions Professional Apprenticeship Standard. More information on the standard can be found on the Institute for Apprenticeships website.

To check if this programme is suitable for you, ask yourself the following questions:

- Would a professional in my role be expected to display the knowledge, skills and behaviours detailed below?
- Will I have the opportunity to demonstrate the skills detailed below in my current role?
- Will completion of this programme help me to be more effective in my current role?

During the application process your Line Manager will be asked to confirm that this programme is relevant for your role. This is important, as completion of the programme and your professional accreditation relies on your ability to provide evidence that you've learned and applied the skills detailed below back at work.

Technical Skills

- Identify, document, review and design complex IT enabled business processes that define a set of activities that will accomplish specific organisational goals and provides a systematic approach to improving those processes;
- Design and develop technology roadmaps, implementation strategies and transformation plans focused on digital technologies to achieve improved productivity, functionality and end user experience in an area of technology specialism;
- Deliver workplace transformations through planning and implementing technology based business change programmes including setting objectives, priorities and responsibilities with others in an area of technology specialism;
- Negotiate and agree digital and technology specialism delivery budgets with those with decision-making responsibility;
- Develop and deliver management level presentations which resonate with senior stakeholders, both business and technical;
- Professionally present digital and technology solution specialism plans and solutions in a well-structured business report;
- Demonstrate self-direction and originality in solving problems, and act autonomously in planning and implementing digital and technology solutions specialist tasks at a professional level;
- Be competent at negotiating and closing techniques in a range of interactions and engagements, both with senior internal and external stakeholders;
- Evaluate the significance of human factors to leadership in the effective implementation and management of technology enabled business processes;
- Develop own leadership style and professional values that contributes to building high performing teams;
- Apply broader technical knowledge combined with an understanding of the business context, and how it is changing, to deliver to the company's business strategy;
- Demonstrate effective technology leadership and change management skills for managing technology driven change and continuous improvement;
- Create and implement innovative technological strategies to support the development of new products, processes and services that align with the company's business strategy, and develop and communicate compelling business proposals to support these.

If you have any questions about the programme, contact BPP:

✉ pcdp@bpp.com

🌐 thenatwestgroup.bppuniversity.ac.uk

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Technical Knowledge and Understanding

- The strategic importance of technology enabled business processes, and how they are designed and managed to determine a firm's ability to compete effectively;
- The principles of business transformation and how organisations integrate different management functions in the context of technological change;
- The role of leadership in contemporary technology based organisations;
- Own employer's business objectives and strategy, its position in the market and how own employer adds value to its clients through the services and/or products they provide;
- How to justify the value of technology investments and apply benefits management and realisation;
- How to monitor technology related market trends and research and collect competitive intelligence;
- The personal leadership qualities that are required to establish and maintain an organisations technical reputation.
- The role of leaders as change agents and identify contributors to successful implementation;
- Technology road-mapping concepts and methods and how to apply them;
- The role of learning and talent management in successful business operations.
- Inspire and motivate others to deliver excellent technical solutions and outcomes
- Establish high levels of performance in digital and technology solutions activities
- Be results and outcomes driven to achieve high key performance outcomes for digital and technology solutions objectives
- Promote a high level of cooperation between own work group and other groups to establish a technology change led culture
- Develop and support others in developing an appropriate balance of leadership and technical skills
- Create strong positive relationships with team members to produce high performing technical teams

Behaviours

- Inspire and motivate others to deliver excellent technical solutions and outcomes
- Establish high levels of performance in digital and technology solutions activities
- Be results and outcomes driven to achieve high key performance outcomes for digital and technology solutions objectives
- Promote a high level of cooperation between own work group and other groups to establish a technology change led culture
- Develop and support others in developing an appropriate balance of leadership and technical skills
- Create strong positive relationships with team members to produce high performing technical teams

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Technical Skills for Software Engineering Specialist

- Identify, document, review and design complex IT enabled business processes that define a set of activities that will accomplish specific organisational goals and provides a systematic approach to improving those processes.
- Design and develop technology roadmaps, implementation strategies and transformation plans focussed on digital technologies to achieve improved productivity, functionality and end user experience in an area of technology specialism.
- Deliver workplace transformations through planning and implementing technology based business change programmes including setting objectives, priorities and responsibilities with others in an area of technology specialism;
- Negotiate and agree digital and technology specialism delivery budgets with those with decision-making responsibility
- Develop and deliver management level presentations which resonate with senior stakeholders, both business and technical Professionally present digital and technology solution specialism plans and solutions in a well-structured business report
- Demonstrate self-direction and originality in solving problems, and act autonomously in planning and implementing digital and technology solutions specialist tasks at a professional level
- Be competent at negotiating and closing techniques in a range of interactions and engagements, both with senior internal and external stakeholders
- Develop own leadership style and professional values that contributes to building high performing teams

Technical knowledge for Software Engineering Specialist

- The strategic importance of technology enabled business processes, and how they are designed and managed to determine a firm's ability to compete effectively
- The principles of business transformation and how organisations integrate different management functions in the context of technological change
- The role of leadership in contemporary technology-based organisations
- Own employer's business objectives and strategy, its position in the market and how own employer adds value to its clients through the services and/or products they provide
- How to justify the value of technology investments and apply benefits management and realisation
- How to monitor technology related market trends and research and collect competitive intelligence
- The personal leadership qualities that are required to establish and maintain an organisations technical reputation
- The role of leaders as change agents and identify contributors to successful implementation
- Technology road-mapping concepts and methods and how to apply them
- The role of learning and talent management in successful business operations.

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