**Job Description**

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| **Job Title** | **INTEGRATION DEVELOPER / PROGRAMMER** |
| **Reporting to** | Head of Innovation / Managing Partner |
| **Pay Band**  | Competitive salary, subject to experience |
| **Role Scope** Why the job is there (its overall purpose) – *what* it’s responsible for *How* the job holder needs to carry out this role, e.g. through demonstrating the behaviours (‘be accountable’, ‘get the right things done efficiently’ and ‘work with others to do it, directly, fairly and consistently’). | To design, develop, implement and support class leading program integrations between Pinnacle IT systems and those of its customers. In carrying out this work, the job holder will:* build effective relationships with technical and non-technical stakeholders across the business and beyond;
* contribute to the thinking and development of the overall technology landscape for Pinnacle’s digital services;
* establish appropriate test and operational environments and processes;
* design, build, test, and support an evolving set of system integrations;
* carry out such other development and programming activities as are appropriate.
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| **Key Accountabilities**The size of the role will be determined by a maximum of 8 key accountabilities, these being the most important to the job. Any more than 8 will not make a difference to the size of the role. They should be one sentence statements that define the end results required of the role, including any key decisions, and any key financial accountabilities.  | 1. Provide pre-sales technical support, demonstrations and documentation to technical and non-technical customers to help grow the company’s customer base.
2. Design, develop and implement integration solutions that are robust, secure, highly scalable, and have high availability. This will include:
* defining appropriate message brokering mechanisms,
* advising customers on the technical work they need to do,
* developing messaging integrations into Pinnacle systems,
* maintaining relevant test and live systems,
* providing post integration support
1. Identify, recommend and implement strategies for developing and enhancing system interoperability.
2. Define and document standards and services as necessary.
3. Review and ensure that current and future solutions are fit for purpose and optimised to ensure full value for money.
4. Ensure proper and effective processes are in place for new work to ensure robust project governance, management and delivery including, but not limited to, project planning, risk management, technical assurance, change control and quality assurance.
5. Provide dashboard and detailed reporting for senior management at regular intervals ensuring proper visibility of activities, risks and spend versus budget.
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| **Key interfaces** Describe key contacts and stakeholders (internal and external) **critical** to the successful achievement of the accountabilities. Including identifying how the job holder works with other people to achieve accountabilities directly, fairly and consistently. | * Work with colleagues in the company and elsewhere to understand the business context for interoperability work.
* Work with colleagues to agree a shared technical approach to interoperability, operations and related services which is fully aligned and integrated with other work in the organisation and which delivers high quality, value for money solutions.
* Work with technical and non-technical customer staff pre sales to ensure a clear understanding of capabilities, requirements and expectations on all sides.
* Work with technical and non-technical customer staff post sales to ensure effective implementation, testing, go-live and support of interoperability services.
* Work with colleagues in the company’s Professional Services Team to support effective procurements.
* Work with third party suppliers to clarify requirements, verify proposals and quality assure implementations.
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| **Knowledge** The knowledge required to adequately fulfil duties of the role. | * Good understanding of messaging transport technologies including:
* SOAP
* Restful API
* FHIR endpoints
* HTTPS and MLLPS
* SSL
* Good understanding of messaging content technologies including:
* HL7 v2
* HL7 v3
* NHS ITK CDA
* FHIR profiles
* Good understanding of relevant languages including:
* PHP
* Java
* Javascript
* Freemarker script
* Go
* Good understanding of databases including:
* MySQL
* Mongo
* Strong and broad technical knowledge including physical infrastructure, architecture, operating environments, data interoperability, front and back end software development, testing, security, resilience, availability and support.
* Good understanding of project management methodologies, including both waterfall and agile.
* Good understanding of how to develop and implement infrastructure and related operating environments to support continuous code deployment.
* Good understanding of IT security best practice.
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| **Skills** Practical skills that are required to do the role. | * Very strong practical design, development and programming skills, particularly in relation to interoperability transport and content.
* Ability to develop and maintain test and live integration environments.
* Strong configuration management and change management skills.
* Good ability to work with, manage and influence technical and non-technical colleagues.
* Good problem solving skills.
* Good ability to present information to non-technical audiences in a way which appropriately influences decision making.
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| **Experience** Describing the work experience (**not year’s**) required to be able to fulfil the duties of the role. | * Proven track record of programming and development.
* Demonstrable record of integration development, including innovative use of emerging technologies,
* Proven ability to work effectively with other developers
* Proven ability to quality assure the work of other developers and technical staff, ideally including third party organisations.
* Experience of working effectively with non-technical stakeholders including senior managers.
* Experience of contributing to strategic business development.
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| **HEALTH & SAFETY**All employees have a general duty in law to take reasonable care for the health and safety of themselves and of other persons who may be affected by their acts or omissions. Employees must understand and be committed to the company’s Health and Safety Policy statement and the Company’s safe working practices.All employees must also be aware of and comply with all current health and safety legislation and other Company requirements that are relevant to their role. |
| **PROBITY AND CONFIDENTIALITY**The company deals with confidential information with strict probity and governance requirements. The company is committed to upholding the highest standards in both regards and all employees must be aware of and comply with Company requirements in these areas.  |
| **ADDITIONAL DUTIES**This role profile takes account of the primary factors but recognises there may be a number of items required to fulfil the role, but which are not required to be detailed.The post holder may therefore be required to carry out other duties and responsibilities.  |

Last updated: 07/12/17