Software Engineer – Back End

Information, Systems and Change

Overview	
Role Purpose	Reporting to the Lead Software Engineer, working in agile way on a range of projects, you'll be involved in all the stages of the software development lifecycle, including managing, and monitoring your code in production. You'll be responsible for designing and building solutions using a variety of technologies across web, desktop and mobile applications as well as cloud-based data analytics and processing. You will be responsible for working with Architects/Engineering and Delivery teams to advise on technical solutions and be responsible for ensuring the delivery of high-quality solutions following industry best practice and standards.
Responsible for	- Responsible for the design, development, unit test, configuration and documentation of high-quality software within agreed project deadlines ensuring that quality solutions are delivered. - Responsible and accountable for ensuring that our technical product is developed accurately, based on best practice standards, within budget and on time and support the business objectives. - Responsible for the support and maintenance our digital products, providing appropriate troubleshooting expertise as appropriate - Assist Lead Engineers in planning, estimation, and development activities - Responsible for ensuring that security by design is following in our solutions and data security standards are adhered to as part of the software development life cycle. - Guide, coach, and mentor other developers with a view of improving overall skill set within the team
Reports to	Lead Software Engineer
Line management	N/A
Tier	Tier 7
Expectation Level	Team Manager

Role relationships

Internal	Digital Technology Team, IT, PMO, Product Management and/or other internal Business Units
External	Microsoft, external solutions/service providers and partners

Role accountabilities

- Participate in the full software development lifecycle, including agile scrum ceremonies, pairing, code reviews and continuous delivery.
- Coach and mentor junior colleagues through training and individual support
- Ensure the smooth running and support of live systems, providing the appropriate monitoring information on performance and security to stakeholders for awareness and decision making.
- Ensure the appropriate levels of system and support document are created and maintained.
- Troubleshoot application and service issues or system outages while clearly communicating status updates with management and engineering teams.
- Draft Requests for Change documentation for submission to the Change Advisory Board (CAB), where any changes to the live environment are required for the application(s) you manage/develop.
- Ensure that any data security, technical or reputational risks are brought to the attention of the Head of Engineer or the Lead Software Engineer.
- Participate as a member of digital technology teams, contributing to software development discussions, investigating the use of new development tools, and facilitating change.
- Actively passionate about discovery and self-learning of new technology, methods, and relevant industry trends and sharing these with the team.

General

- Ensure you follow the financial regulations, policies, and procedures at NHG

- Ensure that you follow relevant Health and Safety policies and related procedures, keeping up to date with changes and taking action to maintain personal health and safety and that of others.
- Ensure that all diversity and inclusion implications are considered in all work, and in personal conduct across NHG

The tasks and responsibilities outlined above are not exhaustive; the post holder may undertake other duties as is reasonably required.

To do the job well, we have outlined the knowledge, experience, and skills you need to do the job.

Personal Specification

Professional expertise (know how & experience) '

Essential	Desirable
• Proven experience with web applications in C#, ASP .NET, MVC • Experience creating secure APIs (REST) • Demonstrable experience of Azure specific application development and deployment. (Azure logic apps, Azure functions, Azure Service Bus) • Experience with data migration, transformation and scripting using SQL and no SQL databases (Azure SQL, MS SQL 2014, Cosmos DB) • Demonstrable understanding of best practices in software engineering (TDD, Iterative Development and Continuous Integration) • Understanding of front-end technologies such as JavaScript, ReactJS, Bootstrap, HTML5 and CSS3 • Experience with cloud deployment and development tools including Azure DevOps, Visual, Studio • Proficient understanding of code versioning using GIT Flow • Experience of working in an Agile environment • Great communication skills and a team player	• Familiarity with Scrum framework • Experience with Cloud platforms for data integration (Azure preferable)

Skills

Essential	Desirable
• C#, .NET, Web API/RESTful API, and JSON • Unit Test framework (NUnit, X-Behave) • Experience in Azure platform services (e.g., Azure logic Apps, Azure Functions, Azure Service Bus, Azure Data Factory, Azure Data Lake) • Experience of Azure solution integration and deployment (Azure DevOps)	• Dynamics 365, Microsoft Power Platform, Microsoft Teams & SharePoint Online • JS frameworks such as React, Bootstrap, and JQuery; HTML5 and CSS 3 • PowerShell, YAML • Python, Scala • Power BI

• Experience with Azure network monitoring/troubleshooting tools (App Insights, Azure Monitor) • SQL 2012, 2104, NoSQL (Cosmos DB) • T-SQL, SQL • Distributed source control i.e. GIT • Experience of testing tools (Postman, Swagger, SOAPUI) • Well versed in Design Patterns and SOLID Principles	

Qualifications and/or professional membership

Essential	Desirable
Bachelor's degree in computer science or equivalent experience.	

NHG Expectations

NHG expectations framework outlines what we expect from our staff at the five different expectation levels we have across the organisation.

This role is a Team Manager expectation level and therefore you should refer to the Team Manager expectation profile in addition to this role profile.

The full NHG expectations framework is available on our external job site page and intranet, Milo.

You'll be assessed on the knowledge, experience, skills, and expectations criteria at various stages throughout the selection process.