

Software Engineer – Back End



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What's it all about

> IS&C > Software Engineering

You will be responsible to design, develop, implement, and maintain software solutions using several technologies and ensure that existing systems continues to meet evolving business requirements of the organisation.

How you'll make a difference

By leveraging your technical expertise and domain knowledge, you will play a critical role in the development, maintenance, and enhancement of software systems, and enable the organisation to streamline business processes, improve operational efficiency and drive business growth to ultimately provide a quality service to our residents.

How you'll do it

- Understand and analyse user requirements and transform them into technical specifications.
- Design and implement software solutions and adopt design patterns that ensure that the system is robust, scalable, secure, and maintainable as well as maintaining data integrity when communicating between different software modules.
- Write clean, efficient and maintainable code in various programming languages.
- Write unit tests, integration tests and end-to-end tests to ensure code quality and reliability.
- Identify, diagnose and fix software defects and performance issues using logging and monitoring tools to identify issues.
- Participate in code reviews to ensure code quality and adherence to standards and best practices are maintained.
- Implement middleware solutions and REST APIs to integrate with other systems to enable seamless data integrations.
- Estimate time requirements for tasks and manage timelines effectively.

- Document technical designs, code, APIs and configurations of software solutions and maintain documentation to facilitate knowledge transfer and support ongoing maintenance and enhancements.
- Implement security controls and access management mechanisms to protect software from vulnerabilities and attack exposure. Ensure that the software adheres to relevant security standards and regulations.
- Identify potential risks and implement mitigation strategies.
- Stay abreast of emerging technologies, tools and industry best practices and provide recommendations for process improvements, tools enhancements and system optimisation to drive continuous improvement and innovation.
- Ensure that you follow and keep up to date with all relevant Notting Hill Genesis and statutory policies and related procedures including health and safety and financial regulations.
- Hybrid arrangements - at least three days a week in an office. On other days, working from home may be possible, depending on the work and the interaction required.

All about you

Behaviours for success

Our values set out what we stand for. -You'll need to show us how you match them and how you'll behave to ensure those are visible when carrying out your work.

- Compassionate
- Progressive
- Dependable
- Inclusive
- Empowered

For each value, we've created example behaviours to help you understand our expectations in more detail. Please [refer to the framework](#). This role is at **colleague** level

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Essential knowledge, experience and skills including qualifications and professional membership.

- Bachelor's degree in either computer science/Information Systems or equivalent experience
 - Excellent communication and problem-solving skills, with the ability to influence internal and external stakeholders.
 - Experience in agile methodologies including Scrum or Kanban.
 - Capability to manage multiple tasks and projects simultaneously.
 - Experience developing and deploying applications in a cloud environment specifically using Microsoft Azure
 - Hands on experience with integration technologies using Azure Integration services (e.g. Azure App Service, Azure Functions, Azure Logic Apps, Azure API Manager)
 - Knowledge of Azure AI services
 - Proficiency in programming languages such as C#, Python, JavaScript
 - Understanding of front-end technologies such as JavaScript, ReactJS, HTML5, CSS
 - Working knowledge of databases in Azure including Azure SQL Database, Cosmos DB and using Azure data services for data manipulation and reporting.
 - Experience of deploying solutions through CI/CD pipelines using Azure DevOps, GitHub Actions or similar tools to automate deployments and monitoring.
 - Experience of utilizing Azure Monitor, Azure Log Analytics and Application Insights to monitor application performance and troubleshoot issues.
 - Experience of version control systems such as Git for managing codebase and collaborative development.
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- This role is subject to a **basic** criminal record check (CRB) issued by the disclosure and barring service (DBS)