

<b>Role Title</b>	<b>MS .NET developer</b>
<b>Reports to</b>	IT Development – Technical Consultant
<b>Full / Part Time</b>	Full Time
<b>Grade</b>	D3
<b>Location</b>	London
<b>Created/Updated by</b>	Parasuram Ganni
<b>Created/Updated on</b>	October 19

*Everything we do contributes to achieving our purpose:  
Helping people, organisations and economies develop their skills for growth. This purpose drives everything we do.*

### Our values

Our values **Imagination**, **Integrity** and **Leadership** are core to everything we do, and makes us who we are. They underpin the way we work, from how we treat our people right through to how we design our products. Living these values in everything you do at the City & Guilds Group will not only make this a great place to work, but ensure you thrive and are successful in your role.

### Your mission

To design, build and deliver customer-focussed robust and scalable IT solutions - translating business requirements into deliverable and delivered technical solutions, on time, on budget, and to agreed quality standards. This will include maintaining day-to-day relationships with associated Technical Leads, Functional and Domain Leads, Service Delivery and Infrastructure, Applications Support, Data & Integration and Strategy, Architecture and Engagement teams to provide specialist support and guidance on areas of requirements analysis, system requirements engineering, test management, project administration and implementation.

### What you'll be doing

#### Functional & Technical Design

- Design, Develop, test and deploy new and maintain existing applications.
- Present ideas for system improvements.
- Estimate timescales for carrying out development work and adhere to deadlines
- Share knowledge and best practice with team and group members and provide support as necessary
- Taking overall responsibility for ensuring, prior to the commencement of any design work, that architectural standards are agreed, and an architectural blueprint is in place.
- Providing expert advice on functional & technical design, including through formal review of system configuration and functional enhancements, ensuring delivery of robust, scalable and standardised application development.

## Migration and Testing

- Designing and delivering unit and integration testing, performance testing and security testing of applications which is comprehensive and completed in compliance with group standards.
- Reviewing cutover implications for new developments, and ensuring processes and solutions are in place to capture and deliver business requirements around areas such as data migration.

## Technical and Change Process Support

- Taking ownership of assigned Problems on behalf of the team, ensuring that production issues, which are escalated, are appropriately prioritised, owned and addressed.
- Provide guidance and manage 3<sup>rd</sup> line support for existing and new applications; ensuring that incident and release management processes are adhered to.
- Review change requests, ensuring that any changes are aligned with the overall functional designs.
- Support the release of technical changes as part of the successful transition to ongoing Application Management as part of the Service Delivery team.
- Ensure that deployments or transports are successfully applied through the testing and live environments.
- Support handover to the application support teams of all new functionality.

## How success will be measured

- Documenting development of the group's applications, to meet ongoing business requirements, in line with internal standards and industry best-practice
- Successful throughput of technical requirements received from domain consultants & technical leads, developed to agreed standards and to meet all associated functional requirements, with clear sign-off at every stage.
- Production of efficient and effective application solutions that meet required customer need, demonstrated by positive feedback from key stakeholders
- Demonstrable thought-leadership in the development of new solutions that innovatively address existing and future organisational challenges, leveraging existing services as applicable.
- Delivery of fully functioning and tested solutions, which pass user acceptance testing in the minimum number of iterations.
- Effectively supported cutover to new solutions, including clearly evidenced and signed-off migration of all associated customer and business data.
- Assigned Problems are resolved within agreed Service Level Agreements, in active collaboration with the Technical Leads, Domain Consultants and Application Support Team
- All changes to the system are signed-off from a functional design perspective, with appropriate mechanisms to manage and record the review processes in place.
- No changes are released from the team without the appropriate change management procedures being documented and followed.
- Deployments or transports are imported to live environments successfully
- All changes are appropriately documented, and handover is signed-off by application management.

## What we're looking for

### We can't live without...

- .NET Full Stack Experience
- Detailed experience of application design using patterns and understanding Agile, TDD & UML.
- Full understanding of application architectures including database and infrastructure layers
- C#. Asp.net Legacy, MVC, Core, Web API, WCF, Ado.net, Entity Framework code first, HTML, JavaScript, JQuery, Angular 2+, CSS, Bootstrap, SQL Server, No SQL.
- Azure experience (Cosmos DB, Functions, Logic apps, Azure Blob storage, App Insights, Azure SQL, Web App & Azure SQL).
- Unit Testing, Azure DEV ops CI/CD, TFS, GIT, SSIS/SSRS.
- Expected to have strong analytical & problem-solving skills.
- Expected to have building quick response applications & improving existing application performance.
- Need working experience in Authentication & Authorization using (OAuth/Open Id/JWT/, Azure AD/SSO)
- Experience in handling support activities & providing solutions for the issues raised.
- Knowledge of Selenium web driver, Performance testing, SOAP UI & Post man to test API and writing Test cases.
- Good to have Design documentation (HLD & LLD) skills.

### We would love you to have...

- Experience working in an environment including SAP, Sitecore, SharePoint and CRM Dynamix.
- Experience in Education Industry across Student Lifecycle applications – including design, configuration, customisation & integration
- Experience in a range of business application areas (work flow, project management, document management, content management etc.)
- Understanding of project management (SCRUM), business process (RUP) and change management methodologies (ITIL).
- Industry-specific knowledge of City & Guilds business processes as an Awarding Body and key customers / areas of responsibility.

## Natural Preferences

### Confident (Leadership)

- Motivated to get things done and make them better
- Pro-active in taking on what needs to be done and using their initiative
- Courage to act on self-belief
- Passionate in the way they appear to clients, suppliers and colleagues
- Confident in themselves and the organization
- ... but not annoyingly pushy in how they work with colleagues

### Curious (Imagination)

- A creative problem solver who brings new ideas and finds new ways of overcoming obstacles
- An open mind that feeds their curiosity
- Keen to learn
- Sparks of innovation that challenge the status quo
- ... but not afraid to roll up their sleeves and do it the same way as last time if that is what is needed

### Collaborative (Integrity)

- A team player who enjoys being part of the team, supporting and leading as needed
- Shares knowledge and expertise
- A relationship builder who doesn't take all the credit for the team's success
- ... but will get their head down on their own when they need to

### Compassionate (Integrity)

- Thoughtful, compassionate and human in their dealings with people
- Self-aware and aware of their impact on others - emotional intelligence
- Enjoys a sense of humour and knows when to use it
- ... but not afraid to say "no" and explain why

### Resilient (Leadership)

- Copes well with change and ambiguity
- Confident in the face of push back and challenge from others
- Doesn't lose sight of delivering to high standards even when under pressure
- ... but wants to know the organisation is on their side

### Trusted (Integrity)

- Goes the extra mile for internal and external customers
- Connects to our purpose
- Delivers great work
- Takes ownership and accountability
- Works in an ethical way
- Is authentic
- There's no "but"!

## Your career with the City & Guilds Group

This role will provide the necessary exposure and experience in latest technologies most notably Azure Development and .Net Core. You will also gain experience in designing and developing enterprise level applications. It will also expose the successful applicant to the wider City & Guilds group with potential opportunities to become an architect or lead in other area of the business. Other technologies you will also get experience with are SQL, MongoDB, REST API's, AngularJS and Kendo UI and Azure DevOps.