**Job Description**

**Job title: Data Visualisation Developer**

**Grade: 9 Post number: GLA3459**

**Directorate: Communities and Intelligence**

**Unit: Intelligence Unit**

**Job purpose**

* To support the work of the Intelligence Unit and the wider GLA through the creation of bespoke data visualisations.
* The work will include producing interactive web-based applications as well as creative and visually engaging static infographics.
* It will be expected that you produce high quality HTML and well-structured JavaScript and develop modular CSS/JavaScript components to ensure that code is reusable.
* An important part of the role will be to identify and experiment with new techniques as needed and to share this knowledge with the team or with the.

**Principle accountabilities**

1. Design, develop and implement interactive web-based visualisations for use on the GLA website and award-winning London DataStore using libraries including D3

1. Design, develop and implement tools and data stories for our more complex data sets to help professional users and the public to explore and use the GLA’s data
2. Design, develop and implement mapping applications (with the support of the GIS team and the Front-end JavaScript Developer) for data with a strong spatial element
3. Using a range of desktop software, create static infographics for use in publications, presentations and on web pages
4. Explore and implement innovative uses of technology and keep abreast of new developments in the relevant APIs including the GLA APIs from the DataStore and the City DataStore
5. Realise the benefits of London’s diversity by promoting and enabling equality of opportunities and promoting the diverse needs and aspirations of London’s communities
6. Manage staff and resources in allocated to the job in accordance with the Authority’s policies and Code of Ethics and Standards
7. Realise the benefits of a flexible approach to work in undertaking the duties and responsibilities of this job, and participating in multi-disciplinary, cross-department and cross-organisational groups and project teams

**Accountable to:** GIS and Infrastructure Manager

**Accountable for:**  Resources allocated to the job, to include specialist software, hardware

 and data. Line management of Apprentice

**PERSON SPECIFICATION**

**Technical requirements/experience/qualifications**

1. A strong technical background evidenced by a qualification in Information Technology, Information Systems, Computer Science or GIS, or equivalent professional experience.
2. Experience of commercial frontend web development experience with expert knowledge in HTML 5, CSS and JavaScript
3. Evidence of resolving technical problems within customer expectations and of systems performance monitoring, analysing options and providing a the best solution
4. Expert knowledge of using data visualisation libraries including D3
5. Experienced user of Adobe suite including Illustrator and Photoshop
6. Experience of working with ESRI ArcGIS Server, or knowledge of Leaflet, openlayers or Google map API would be an advantage but are not essential.

**Behavioural competencies**

**Stakeholder Focus –**

… is consulting with, listening to and understanding the needs of those our work impacts and using this knowledge to shape what we do and manage others’ expectations.

**Why is it important?**

Stakeholders are anyone (internal or external) on whom our work impacts. We need to manage their expectations, respond to their aspirations and use diverse views to shape our work and deliver our vision for London.

**Level 2**

* Seeks to understand requirements, gathering extra information when
* needs are not clear
* Presents the GLA positively by interacting effectively with stakeholders
* Delivers a timely and accurate service
* Understands the differing needs of stakeholders and adapts own service
* accordingly
* Seeks and uses feedback from a variety of sources to improve the GLA’s
* service to Londoners

**Decision Making**

… is forming sound, evidence-based judgements, making choices, assessing risks to delivery, and taking accountability for results.

**Why is it important?**

The decisions we take have wide and far reaching implications and we need to be sure they are well founded, fair and will stand up to scrutiny.

**Level 1**

* Takes personal responsibility for own decisions
* Makes straightforward decisions to progress own work
* Asks others for input, recognising the benefit of more than one perspective
* Understands which decisions are within own area of responsibility and
* which to pass to others
* Understands the risks associated with decisions, informing others of
* these risks

**Planning and Organisation**

… is thinking ahead, managing time, priorities and risk, and developing structured and efficient approaches to deliver work on time and to a high standard.

**Why is it important?**

Success is measured by results. We will be judged by our ability to turn ideas and opportunities into concrete actions, working in partnership with others to deliver clear outcomes for Londoners in priority areas.

**Level 2**

* Prioritises work in line with key team or project deliverables
* Makes contingency plans to account for changing work priorities, deadlines
* and milestones
* Identifies and consults with sponsors or stakeholders in planning work
* Pays close attention to detail, ensuring team’s work is delivered to a high
* standard
* Negotiates realistic timescales for work delivery, ensuring team deliverables
* can be met

**Problem Solving**

… is analysing and interpreting situations from a variety of viewpoints and finding creative, workable and timely solutions.

**Why is it important?**

Our work involves breaking new ground. We need to understand the challenges the GLA, the GLA Group and other partners face and respond innovatively with new ideas and ways of working together.

**Level 2**

* Processes and distils a variety of information to understand a problem fully
* Proposes options for solutions to presented problems
* Builds on the ideas of others to encourage creative problem solving
* Thinks laterally about own work, considering different ways to approach problems
* Seeks the opinions and experiences of others to understand different approaches to problem solving

**Research and Analysis**

… is gathering intelligence (information, opinion and data) from varied sources, making sense of it, testing its validity and drawing conclusions that can lead to practical benefits.

**Why is it important?**

The GLA has a strong reputation as a hub for London-related research. Quality information and insight will help us develop and substantiate robust policy and decisions which will lead to tangible benefits for Londoners.

**Level 2**

* Proactively seeks new information sources to progress research agendas
* and address gaps in knowledge
* Grasps limitations of or assumptions behind data sources, disregarding
* those that lack quality
* Analyses and integrates qualitative and quantitative data to find new insights
* Translates research outcomes into concise, meaningful reports
* Identifies relevant and practical research questions for the future

**Building and Managing Relationships**

… is developing rapport and working effectively with a diverse range of people, sharing knowledge and skills to deliver shared goals.

**Why is it important?**

Having good working relationships with colleagues and effective alliances with eternal partners will help create an organisation people want to work with, enabling more effective delivery of the organisation’s strategic priorities.

**Level 1**

* Builds rapport quickly with people at all levels and from different
* backgrounds
* Actively listens to others and is open to their ideas
* Identifies and resolves conflict between self and others
* Makes others feel comfortable and respected by being positive and friendly
* Shares information openly with colleagues within and outside own team

#### Working Patterns

No unusual work patterns anticipated

**Reasonable adjustment**

Reasonable adjustment will be made to working arrangements to accommodate a person with a disability who otherwise would be prevented from undertaking the work.