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| **JOB OVERVIEW** |
| **JOB TITLE** | **System Architect / Feature Owner – Infotainment Domain** |
| **HEADCOUNT REFERENCE NO** | **ETLXXX** | **LOCATION** | **Gaydon** |
| **ORG LEVEL 1** | **Engineering** | **GRADE** | **9** |
| **ORG LEVEL 2** | **Software & Electronics Technology** | **STANDARD WORKING HOURS** | **39 – Mon-Thurs 07:30 to 16:30, Fri 07:30 to 12:30** |
| **ORG LEVEL 3** | **EE Architecture & Systems Integration** | **REPORTS TO** | **Systems Engineering Manager** |
| **POSITION DETAILS** |
| **DEPARTMENT OVERVIEW** | The systems engineering team is responsible for specifying the system requirements and guiding commodity implementation through feature ownership. |
| **JOB PURPOSE** | To lead the systems development and feature delivery of distributed functions within the Infotainment domain. |
| **KEY DUTIES AND RESPONSIBILITIES** | * Analysing and organising stakeholder requirements
* Deriving system requirements from stakeholder requirements
* Identifying diagnostic requirements for the systems
* Through regular reviews, ensure on time delivery (SADs, feature maturity, etc.)
* Allocating system requirements to elements of the system and defining interfaces
* Drives issue resolution and, where required, mitigation plans
* Directs the workload of the systems engineering team for the given programme
* Developing logical, functional and system architecture diagrams
* Mapping system requirements into elements/components
* Support SOTIF (ISO21448) and Cyber Security (UNECE R155) aspects of the feature delivery
* Use of ASPICE for system and feature development
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| **MANAGEMENT BREADTH** | * This position requires the candidate to manage delivery of complex technical & cross-functional tasks in line with component & vehicle timing plans.
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| **RELATIONSHIPS** | Builds positive and constructive relationships at all levels and with stake holders, and is aware of others’ needs and uses this to work well together. Internal: The role involves working with component engineers across R&D, as well as with the manufacturing engineering & service organizations to agree specifications & diagnostic requirements. External: Component suppliers. |
| **BUDGETARY ACCOUNTABILITY**  | No direct budgetary accountability, however, the role requires the engineer to identify & implement the most cost-effective engineering solution to deliver the system and feature. Should identify any software and licensing requirements to support the role. |
| **PROBLEM SOLVING & ACCOUNTABILITY** | This role will be supervised by the Systems Engineering Manager.The successful candidate will need to lead system design and implementation for multiple features, driving information flow across the business, making systems design recommendations which deliver the required quality, cost & timing. The candidate will also need to support resolution of integration issues in a timely manner, with accountability for the successful functionality of the electrical system at launch. |
| **CONSTRAINTS** | The post-holder will be required to comply with all policies and procedures issued by and on behalf of Aston Martin Lagonda Ltd. |
| **CAREER PROGRESSION OPPORTUNIES** | Potential to demonstrate the required technical & personnel leadership skills required to progress within the Electrical Dept. or other areas of the business. |
| **ADDITIONAL REQUIREMENTS** | Some travel in Europe or the rest of world may be required to support vehicle testing.AML Driver Permits will be required (through AML training) to allow the validation & fault diagnosis of issues on vehicles. |
| **DISCLAIMER** | The above list of job duties is not exclusive or exhaustive and the post holder will be required to undertake such tasks as may reasonably be expected within the scope and grading of the post. |
| **EXPERIENCE & QUALIFICATIONS** |
| **ESSENTIAL EXPERIENCE**  | * Knowledge of automotive product development (V-Cycle) from concept to launch completion.
* Knowledge of multiple automotive electronic systems from working as a systems architect on embedded systems in automotive or a related industry, e.g. aerospace.
* Experience of applying Model Based System Engineering (MBSE) methodology to develop complex systems.
* Experience of working in a cross functional team to tackle complex issue resolution.
* Must be able to manage large workloads in a high-pressure environment and prioritise accordingly.
* Network Protocols (CAN, FlexRay, LIN, Ethernet, Wifi).
* Diagnostics protocols and knowledge of UDS/ODX.
* Experience of system integration engineering and software delivery.
* Experience of working in a cross functional team to tackle complex issue resolution.
* Experience of managing technical delivery through Tier 1 suppliers.
* In depth working knowledge of complex real time operating systems.
* Experience Authoring technical documentation in requirements capture tools e.g. Doors, Polarion.
* Experience of Autosar SW architecture.
* Experience of E2E communication protection.
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| **PREFERRED EXPERIENCE**  | * Advanced knowledge of DBC and FIBEX Automotive standards for serial data/communication level.
* Experience of cross functional leadership.
* Experience of more than one of the following commodities is preferred: infotainment, connected services, switchgear, lighting, body electronics, power management, EDS, ADAS, powertrain (electrified), chassis
* Technical engineering background and a knowledge of using calculation and analysis to drive design.
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| **ESSENTIAL EDUCATION / QUALIFICATIONS** | Appropriate / related engineering degree. |
| **PREFERRED EDUCATION / QUALIFICATIONS** | Degree qualified or equivalent |
| **REQUIRED SKILLS / BEHAVIOURS** | * Effective facilitation and influencing skills.
* Strong stakeholder management skills.
* Good problem-solving skills.
* Team player & able to collaborate with others.
* Analytical mindset and critical thinking.
* Builds positive and constructive relationships and is aware of others’ needs and uses this to work well together.
* Works effectively with others to achieve goals e.g. recognises how different contributions and ways of working led to success.
* Notices issues and seeks to address customer concerns.
* Considers their impact on others and makes efforts to communicate effectively. Has a range of communication styles to draw on and able to flex between these as needed.
* Has skilled and accurate planning capability including identifying risks and devising contingencies.
* Self-starter and driven to succeed.
* Confident presenter
* Experience of Polarian (requirements tool).
* Experienced user of MBSE modelling tool (e.g. Capella, IBM Rhapsody, …)
* Experience in Vector CAN tools and CAPL scripts.
* Experienced Microsoft Office user.
* Must be able to manage large workloads in a high-pressure environment and prioritise accordingly.
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| **PHYSICAL REQUIREMENTS** | N/A |
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| **REVIEWED BY: NAME & TITLE** |   | **DATE APPROVED** |   |
| **DATE REVIEWED** |   |