Data Engineer

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Company: Triple I

Location: Wollongong

Category: other-general

Delivering careers, development and job satisfaction – Control Systems Engineer

SENIOR DATA ENGINEER – OTAn exceptional opportunity in a rapidly growing marketIndustry-leading technologyJoin an innovative team delivering real-time applications.The RoleThis position offers the applicant the opportunity to participate in real-time IOT applications for the mining, industrial production, and infrastructure markets. As a Data Engineer, you will work with customers, suppliers, and our technical staff to identify requirements, select technology and deliver solutions for integrated data applications.

As a Senior Data Engineer, you will lead these applications and outcomes.

The core element in our market is the need to combine both real-time and historical data with associated asset data and media to supply information for the personnel engaged in the actual process being monitored. We consolidate information from other systems including IT however mostly present information to the OT layer.

These needs place a different emphasis on data gathering, access, and visualisation, and the successful applicant must have worked with data from these types of sources before. The company promotes flexibility in hours and WFH is an integral part of the work routine. The person will however need to be available to regularly attend our Illawarra-based office. The applicant should assume 60% of the time will be required in the physical office environment or on-site with customers. Out-of-area travel will be required for presentations, meetings, and commissioning.

The WorkOur customers will seek to retrieve information from the production network, both in raw form and based on processed data e.g. calculations and analytics, to support process

and business improvements.

We work with large volumes of low latency data, which in our industry can vary from milliseconds to typically 2 seconds old. The volume of data is already large and growing.

We visualise the data using not only dashboards and reports but using Virtual Reality, Virtual Environments, and Augmented Reality.

The key elements involved are:

Identifying customer requirementsSpecifying software and operational functionalitySelecting the process and software elements that will be usedDefining data and interface needs for the applicationDelivering the solutions within a distributed team of expertiseProviding effective visualisation transforming data into knowledgeThe following web pages provide additional understanding of the work required.

The person must be available to fulfill a full-time role as a company employee.You need to have been directly involved in automation and control applications with at least 5 years of full-time experience on PLC or DCS platforms.The role requires proven experience in data acquisition in these process and operational environments.The role requires a clear understanding of the implementation of process historians including data structures and the application of their calculations and analytics. Experience with products such as OSI PI and iba suites of software would fit this criterion.Significant experience in interfacing with other data storage methods. As a minimum practical and significant experience in the use of databases both to store and retrieve information.Experience in the use of reporting products. Grafana is commonly used for reporting, however, this can vary based on the customer's preference.The skills to produce information in a form that is clearly understood are essential.Solid experience in writing well-structured software code is needed to review work done by others. Exposure to Python is an advantage.Understanding the security needs of the OT/IT interface is valuable.Exposure to Artificial Intelligence and Neural networks is an advantage.Ideally exposure to interfacing with corporate software such as Documentum, SAP, or similar systems would be expected.We encourage you to apply even if you may not meet every requirement above but can demonstrate that you have the background experience.

Key to the position is experience with data generated from control systems, you understand what is needed to provide the outcomes, can design the applications to capture data as required, and present it so that it can be clearly understood.

LocationThe Illawarra provides a picturesque coastal setting with ready access to Sydney, affordable housing, and a valued lifestyle mix. You can access both the beach and open

spaces within minutes. Low travel times are supported by good road infrastructure and small peak conditions.

Wollongong is NSW's third largest city and offers well-respected schools and supports its population with good medical, cultural, and recreational facilities.

APPLY TODAY!To apply for this role, please submit your resume as well as a brief cover letter by emailing, or clicking on Apply. Only short-listed candidates will be contacted.

Please note we do not accept applications from recruitment companies or any for-fee recruiters, unless requested. Resumes submitted via this website or directly to a hiring manager become the property of Triple i, and we retain the right to hire the applicant.

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