

Software Engineer

Metro Trains Melbourne

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Company description:

Metro moves you around Melbourne.

As the city's metropolitan rail service, Metro operates 226 six carriage trains across 998 kilometres of track, transporting 450,000 customers each day. We aim to encourage the Melbourne community's vibrant and ever evolving lifestyles, by providing a seamless transport solution to keep individuals connected.

With 15 lines, 222 stations and services seven days a week, Metro can take you wherever you're headed across the city, whenever you want to go.

Job description:

Position Purpose Statement

Metro Trains Melbourne (MTM) has delivered a number of operationally critical systems into service in conjunction with Public Transport Victoria (PTV). Systems such as the Train Control and Monitoring System (TCMS), Customer Information System (CIS) and Performance Reporting System (PRS) and the Railway Operations Management Systems (ROMS) were delivered to replace legacy systems and aging infrastructure.

Now that modernisation of operational systems is mostly complete there is a new focus on organisational improvement and efficiency. Passengers and employees now expect to be connected online and have access to personalised, timely and accurate information to support their needs. Software and information are now key enablers for creating business value and MTM will use these to benefit all key stakeholders. The first 2 initiatives delivered to address these issues are OnTrack, a performance and disruption management tool, and also InForm, a paper replacement and process improvement tool for Authorised Officers and Station Staff.

New projects are underway to improve on systems delivered and to improve on areas of the business that mostly operate on paper and/or via cumbersome manual processes. These include integrated reporting, driver applications and renewals and upgrades of systems.

As part of the overall program of works MTM are required to integrate all systems into their operational environments, and are also required to provide ongoing support and maintenance activities associated with all delivered systems.

Functional Responsibilities

- * The position of Software Engineer reports to the Software Implementation Lead within the MTM OCMS - Digital Delivery Division.
- * The Software Engineer will be expected to liaise with professional and technical staff regarding setting up appropriate hardware, software and operating system environments, carry out integration tasks, perform data configuration, as well as complex problem resolution.
- * The Software Engineer will be conducting a variety tasks across the Software Development Lifecycle with real time, reporting systems and mobile technologies;
- * The Software Engineer will complete development using Javascript, Java and associated technologies in a mixed Windows, Mac and Linux Environment;
- * The Software Engineer will also be required to carry out complex software implementation tasks, as well as periods of technical validation activities.
- * The Software Engineer may be required to carry out the upgrade and enhancement of various existing Systems as well as conduct maintenance investigation and defect rectification, as well as assist with validation activities if required.
- * The applicant needs to be self driven and demonstrate skills in identifying issues, independently or collaboratively achieving the required outcomes.
- * The Software Engineer will utilise analytical, conceptual and problem solving skills in a rail environment.
- * Work in an Agile environment
- * Any other duties as specified by manager.

Organisational Responsibilities

- * Contribute to and execute the functional strategic plan and annual business plan
- * Adhere to and support compliance with all legislative and regulatory requirements and MTM policies and procedures
- * Seek continuous improvement in our safety practices and implement the Corporate Safety Plan
- * Contribute to a culture where all accidents, incidents are reported, recorded, investigated and corrective action undertaken
- * Encourage and contribute to the transformation of culture to one which is inclusive, agile, open, trusting and respectful
- * Seek and implement continuous improvement within the business that is focussed on having the lowest cost base, improved productivity and effectiveness
- * Seek to exceed MTM's goals and objectives and the effectiveness of our people through relevant networks, building high performing teams and delivering the functional output.

Qualification, Skills and Experience

- * Desirable experience in Java 8 development and associated technologies (although not mandatory)
- * Tertiary studies with an suitable IT or engineering discipline
- * Tertiary or industry experience in Software Engineering (5+ years);
- * Demonstrated experience in conducting a variety tasks across the SDLC;
- * Demonstrated experience in working in an Agile environment
- * Proficient in web application development both in client-side Javascript and server side business logic.
- * Desirable experience in AngularJS and Cordova (although not mandatory);
- * Desirable experience with Amazon Web Services (although not mandatory);
- * Desirable experience in delivering solutions to iOS, Android platforms
- * Proficient in working in a Linux Environment;
- * Proficient in SQL;
- * Demonstrated interest in working with real time, mission critical systems;
- * Capacity to produce high quality software solutions and documentation;

The successful candidate will be expected to:

- * Utilise all existing skills and capabilities to the best of their ability plus continue to grow skill base to align with required outputs and demands
 - * liaise with technical staff, end users of the system as well as a wide range of other stakeholders;
 - * provide advice to management and learn from other team members in applying the correct solutions and technologies;
 - * work under pressure whilst meeting all stated objectives of any committed works;
 - * be flexible and creative; and
- translate development challenges and outcomes for business stakeholders.

You must have the **right to live and work** in this location to apply for this job.

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