Position Description

Position title:	Full Stack Developer
Reports to:	Strategic Development Manager
Direct reports:	Nil
Date:	May 2021

Organisational Context

Transport Certification Australia is a national organisation that provides assurance services relating to transport technologies and data to enable improved public purpose outcomes from road transport.

Priority outcome areas enabled by TCA services include improved road safety, transport efficiency, freight productivity, asset management and sustainability.

TCA provides four broad categories of service:

- Assurance
    - Certification of service providers, telematics applications and data
    - Type approval of devices and systems, including telematics and on-board mass systems
    - Auditing of service providers, applications, and data
- Administration
    - Administration of the National Telematics Framework, including its rules, specifications, agreements, and digital infrastructure
    - Support for applications, schemes, and other initiatives on behalf of key stakeholders
- Analysis and reporting
    - Standardised and ad-hoc data analysis, reporting and data provision to support compliance, policy, planning, investment, and operational decision making
    - Managing the Telematics Analytics Platform to support user access to data and reporting services
- Advice
    - Provision of authoritative information and advice on current and emerging transport technologies and data, and associated services

TCA promotes a culture of professionalism, innovation, and integrity, with a commitment to accountability, quality, and excellence in the delivery of all TCA programs and services.

We recognise the unique skills and abilities of each individual, who come from a wide range of disciplines and backgrounds. We support our people through ongoing development and learning opportunities and create a supportive team environment for all our staff. We strive to be an employer of choice.

The TCA office is based in Melbourne.

The Role

Purpose of the Role

The Full Stack Developer is responsible for supporting TCA's development and management of software, systems and services, including TCA's primary customer service portal, the Telematics Analytics Platform (TAP).

The role will work closely with a range of disciplines and personnel across TCA, and support the realization of TCA's business focus and strategic plans.

Major Responsibilities / Accountabilities

The Full Stack Developer will be required to support and lead assigned projects:

- Apply innovative thinking to enhance TCA's front-end and back-end systems in a rapidly evolving ICT environment
- Software design, development and testing activities to support senior developers in managing and enhancing TCAs systems and services
- Support the delivery of projects within TCA's work program, including project reporting and written documents
- Effectively manage ambiguity, competing priorities and evolving demands
- Contribute to the creation, development and maintenance of functional and technical specifications, related technical documentation and quality documents
- Take responsibility for all aspects of system development and management
- Support the engagement process with external consultants/ stakeholders in the gathering of requirements, and contributing to improved project delivery
- Prepare and maintain project delivery documentation
- Maintain, improve and adhere to associated Quality System processes and procedures (ISO9001 and ISO27001).

Key Stakeholder Interfaces

- Front-end Software Developer
- Back-end Software Developer
- Engineers
- Project Managers
- Specification Manager
- Business Integration Manager
- Strategic Development Manager
- General Manager, Strategy and Delivery.

The Person

Qualifications, Knowledge and Experience

- Relevant tertiary qualifications in Information Technology or Computer Science
- Experience as a developer working with:
    - Angular (web front end, TypeScript (JavaScript))
    - Java
    - Spring Boot

- MSSQL
- Subversion and / or GIT.
- Experience working with high-volume data records associated with applications of the National Telematics Framework
- Proven analytical thinking and problem-solving skills, coupled with relationship-building and stakeholder management skills to work with, and through, others at all levels
- Data analytics, front-end and back-end database management would be highly regarded
- Demonstrated ability to research, analyse, validate and document technical information
- Strong computer competencies, particularly with Microsoft Office applications.

Personal Qualities

- Ability to work in a dynamic setting, with a demonstrated capability to resolve ambiguity, make decisions, balance priorities, and adapt to changing demands and conditions
- Willingness to contribute to, and where necessary prioritise, team outcomes to achieve an optimal result for TCA's stakeholders
- Demonstrated ethical behaviour.