

Position Description: Mobile Software Developer



Position Title: Mobile Software Developer
Functional Group: Engineering
Reports to: Software Development Manager
Date: February 2019

Our Mission

At Coretex we believe that technology should be used to create a safer, cleaner and more productive society. The world's resources are under increasing pressure - to keep growing, we have got to figure out how to do more with less.

Our goal is to help operators drive better business results by improving their asset utilization, reducing fuel consumption and minimising the wear and tear on people and machines - all whilst ensuring that operators remain compliant with all relevant legislation.

Our Company

Coretex is a world-leading technology company that creates innovative fleet management and IOT solutions for organisations that operate in mission-critical environments. Our start-up culture and 'can-do' attitude helps us take on the best and win. Our proprietary technology platform helps organisations run more efficiently and comply with complex legislation through intelligent use of data gathered directly from fleet assets.

Coretex has customers all over the globe. Our business is run from offices in New York, San Diego, Auckland, and Sydney. We have ambitious growth plans that will see us further expand operations over the coming weeks, months and years.

Purpose of this Role

Responsible for developing and maintaining core software platforms including but not limited to Coretex Drive, Integration APIs, Microservices, Mobile Apps (Android & iOS) and Azure.

Responsibilities

The outcomes listed below describe the tasks the role may be expected to carry out. This list is indicative of the role and is not exhaustive.

- Develop and maintain the Drive platform.
- Develop and maintain the Azure platform.
- Help develop any new product or platform as required.
- Assist with deployment of software environments.
- Building and deploying software.
- Work with the team lead and project manager to manage timeframes and deliverable planning.
- Working with the solution architect to produce and understand system architecture.
- Other duties as reasonably required.

Quality / Health & Safety Accountability

All staff are authorised to take suitable action to prevent, avoid and where possible eliminate quality and health and safety issues within their job area.

Person Specification

The ideal person fulfilling this role will have the following skills and characteristics.

Technical Skills

- **Coding skills** - Java – Android, MEAN (Mongo DB, Express, Angular, Node) stack, Objective-C, Native Development - Android & iOS, Micro Services development, MVP, MVVM, RXJava2, Dagger2, Kubernetes, MQTT, Kotlin, Azure, SQL Lite, Reactive Database knowledge.
- **Programming/software development** - Designs, codes, verifies, tests, documents, amends and refactors complex programs/scripts and integration software services. Contributes to selection of the software development approach for projects, selecting appropriately from predictive (plan-driven) approaches or adaptive (iterative/agile) approaches. Applies agreed standards and tools, to achieve well-engineered outcomes. Participates in reviews of own work and leads reviews of colleagues' work.
- **Real-time/embedded systems development** - Designs and develops complex real-time/embedded systems components often incorporating fail-safe characteristics or graceful degradation. Develops and implements software to operate in embedded systems. Develops prototypes or simulations of real time/embedded systems to support decision-making. Designs physical layouts reflecting connections between the components of real-time/embedded systems to test and optimise performance. Contributes to validation and verification activities. Uses specialised tools and hardware (such as logic analysers, in-circuit emulators or digital storage oscilloscopes) for developing, testing, debugging and troubleshooting of embedded software to ensure high levels of integrity and reliability.
- **Software design** - Designs software components and modules using appropriate modelling techniques following agreed software design standards, patterns and methodology. Creates and communicates multiple design views to identify and balance the concerns of all stakeholders of the software design and to allow for both functional and non-functional requirements. Identifies and evaluates alternative design options and trade-offs. Recommends designs which take into account target environment, performance security requirements and existing systems. Reviews, verifies and improves own designs against specifications. Leads reviews of others' designs. Models, simulates or prototypes the behaviour of proposed software to enable approval by stakeholders, and effective construction of the software. Verifies software design by constructing and applying appropriate methods.

Behavioural Competencies

- **Applying expertise and technology** - Applies specialist and detailed technical expertise. Develops job knowledge and expertise through continual professional development. Shares expertise and knowledge with others. Uses technology to achieve work objectives. Demonstrates an understanding of different organisational departments and functions.
- **Creating and innovating** - Produces new ideas, approaches or insights. Creates innovative products or designs. Produces a range of solutions to problems. Seeks opportunities for organisational improvement.
- **Planning and organising** - Sets clearly defined objectives. Plans activities and projects well in advance and takes account of possible changing circumstances. Manages time effectively. Identifies and organises resources need to accomplish tasks. Monitors performance against deadlines and milestones.
- **Delivering results and meeting customer expectations** - Focuses on customer needs and satisfaction. Sets high standards for quality and quantity. Monitors and maintains quality and productivity. Works in a systematic, methodical and orderly way. Consistently achieves project goals.

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- **Adapting and responding to change** - Adapts to changing circumstances. Accepts new ideas and change initiatives. Adapts interpersonal style to suit different people or situations. Shows respect and sensitivity towards cultural and religious differences. Deals with ambiguity, making positive use of the opportunities it presents.
- **Coping with pressures and setbacks** - Works productively in a high pressure environment. Keeps emotions under control during difficult situations. Balances the demands of work life and personal life. Maintains a positive outlook at work. Handles criticism well and learns from it.

Qualifications

- Bachelors degree in a relevant subject is highly desirable

Experience

- Previous relevant experience in software development is essential
- Prior telematics experience is desirable.

Why Work with Us

This is a great time to join an agile and fast growing technology company that's taking on the world. Coretex is the kind of company that gives you the opportunity to make a difference.

The Coretex team is driven, professional and focused. We're big on teamwork and open doors. We are passionate about providing our customers with the best technology and experience, and we like to have fun while we're doing so.

The development and growth opportunities are as unlimited as our business growth – locally and internationally.

Location

The position will be based in Newmarket, Auckland.