

POSITION DESCRIPTION

Position Title :	Mobile Application Developer		Level 5
Division:	Finance & Technology	Region/Business Unit:	IT Operations
Location:	West Pennant Hills	Reports to:	Spacial Systems Manager

Forestry Corporation of New South Wales (FCNSW) believes that each employee makes a significant contribution to our success. That contribution should not be limited by the assigned responsibilities. Therefore, this position description is designed to outline the primary duties and outcomes, qualifications and job scope, but not limit the incumbent nor FCNSW to just the work identified. It is our expectation that each employee will offer their services wherever necessary to ensure the success of FCNSW.

Purpose

The mobile developer is a key member of a multi-disciplinary team of specialists in GIS, applications development, systems support and data management responsible for ensuring the delivery of highly accurate and reliable spatial and non-spatial forest management information to Forestry Corporation business units. This highly-specialised role is responsible for creating, optimising, and maintaining geospatial applications tailored for iOS devices utilising the ESRI platform and the ArcGIS Runtime SDK for iOS. The successful candidate will possess a deep understanding of iOS development, with a keen focus on integrating ESRI capabilities within the iOS ecosystem.

Key Areas of Responsibility

iOS Development Focus	<ul style="list-style-type: none"> Develop and optimize geospatial mobile applications specifically tailored for the iOS environment using the ArcGIS Runtime SDK. Proficiently leverage Swift, along with Objective-C, to build performant, user-centric, and intuitive iOS applications. Ensure applications take full advantage of the latest iOS features, APIs, and best practices.
Intergration & Collaboration	<ul style="list-style-type: none"> Integrate iOS applications with ESRI's ArcGIS Enterprise, ArcGIS Online, and other related platforms. Collaborate with other specialists in the team to ensure application design aligns with iOS standards and delivers a seamless user experience. Work alongside backend developers to ensure smooth integration of geospatial data and services.
Maintenance & Optimization	<ul style="list-style-type: none"> Continuously monitor application performance, troubleshoot issues, and ensure applications remain compatible with the latest iOS versions and devices. Regularly update applications to incorporate the latest iOS functionalities and SDK improvements.
Stay Updated	<ul style="list-style-type: none"> Regularly update skills and knowledge based on the latest advancements in iOS development and ESRI technology. Proactively explore new methods, tools, and techniques within the iOS development sphere to improve application offerings.

<p>Building Partnerships</p>	<ul style="list-style-type: none"> • Develop and maintain strong relationships with internal and external stakeholders, including spatial systems clients, external suppliers/partners and other industry specialists. • Contribute to training and knowledge transfer processes for SPD, HFD and Corporate users.
<p>Corporate Responsibilities</p>	<ul style="list-style-type: none"> • Agree upon and achieve personal annual performance goals and participate constructively in processes to review and improve personal effectiveness. • Work with others in a manner that at all times is consistent with FCNSW's Values & Behaviours Framework. • Ensure personal compliance, and compliance of others for whom you might be responsible, with the corporation's Code of Conduct, policies, procedures and legislation including but not limited to those related to health, safety and the environment. • Accurately record work times and leave requests. • Ensure all FCNSW mandatory training and required technical training (e.g. certificates, qualifications, tickets etc) is completed in a timely manner.
<p>Supervisory Responsibilities <i>(if applicable to your role)</i></p>	<p>For your direct report/s:</p> <ul style="list-style-type: none"> • Agree upon and document personal annual performance goals and provide ongoing feedback to improve personal and team effectiveness. • Monitor all leave requests to ensure that leave is accurately recorded and managed in accordance with the Enterprise Agreement. • Ensure all FCNSW mandatory training and required technical training (e.g. certificates, qualifications, tickets etc) is completed and documented in a timely manner. • Validate and approve timesheets to ensure accurate time and leave recording. • Escalate issues and concerns as appropriate.

Accountabilities

Supervisory	Nil
Financial	Efficient use of FCNSW resources
Key Relationships	Engage with internal and external stakeholders to enhance and promote FCNSW's reputation
Safety	<p>Take reasonable care to not endanger the health, safety and welfare of themselves and others by understanding and complying with all reasonable WHS-related instruction, policies and procedures.</p> <p>Actively participate in consultation, risk management and training programs.</p> <p>Report all hazards, incidents and faults as soon as possible as required by the FCNSW Health and Safety Policy</p>
Qualifications & Licenses	Responsible for maintaining current and relevant qualifications and licenses (including drivers license, firefighting accreditation courses, tickets and others) which are pertinent to the role.
FireFighting	<p>Any person in an office-based role which has a <i>forest field work</i> component is expected to achieve and maintain a Moderate level of fitness for firefighting (including medical and task-based assessment), and perform firefighting duties as directed.</p> <p>Any person in an office-based role which does not have a <i>forest field work</i> component is expected to perform any required role in firefighting that they</p>



	are competent to perform safely (which includes roles that do not involve frontline firefighting).
Chain of Responsibility	You will have a working knowledge of: <ul style="list-style-type: none"> • FCNSW's Heavy Vehicle National Law Chain of Responsibility Policy • Heavy Vehicle National Law and Regulations NHVR

Key Challenges

- Effectively balancing the day to day operational demands of the role.
- Timely support and communication to internal and external stakeholders.
- Working alone and/or travelling extensively (mainly driving) and working extended hours.
- Meeting fitness requirements for the job (e.g. ability to walk on uneven terrain for extended periods, working outdoors in a variety of weather conditions).
- Transition existing mobile mapping application to the latest ESRI mobile SDK while maintaining existing functionality.
- Simultaneously managing technical complexity, high volume workloads, multiple priorities and ongoing stakeholder demands for mobile spatial applications.
- Correctly ascertaining and responding to the needs of internal and external stakeholders, particularly given the high-volume and varying levels of technical knowledge/GIS experience.
- Delivering highly specialised dynamic and flexible mobile spatial systems that meet the requirements of field-based users.
- Keeping abreast of current trends and technological developments, recommending and developing tools and methods leading to productivity improvements, while continuing to maintain a strong customer service focus.
- Working independently and/or travelling extensively (mainly driving) and working extended hours.

Communication

- Ability to communicate effectively with your supervisor, co-workers, contractors and external stakeholders as required.
- Effective use of required technology (e.g. iPad, phone Apps, email and corporate web-based systems).
- Strictly follow FCNSW radio procedures when communicating via radio during operations.

Skills and Experience

- Proven organisational skills - ability to plan and prioritise work, meet standards and deadlines.
- Experienced in working safely in a high risk environment.
- Basic computer skills and ability to learn and apply new technologies to your work
- Knowledge and/or understanding of forestry management and protection, which may include weed and pest control, fire management, planning and suppression, and silviculture.
- Relevant tertiary qualifications and/or significant specialist experience.
- Proficiency in Swift and Swift UI for iOS development.
- Extensive experience in developing, testing, and deploying applications for various iOS devices.
- Strong analytical, developer and problem-solving skills to deliver best-practice, flexible and responsive systems and services.
- Ability to work independently and manage complex projects
- Strong interpersonal skills, a highly collaborative approach and strong customer service experience.
- Excellent communication skills, including the ability to produce technical system documentation.
- Familiarity with source control practices and software

Preferred Qualifications

- Experience with other ESRI products such as ArcGIS Pro, ArcGIS Enterprise, and ArcGIS Online.
- Familiarity with GIS concepts, geospatial data formats, and geodatabases.
- Familiarity with modern iOS development tools, frameworks, and design patterns.
- Experience with integrating GIS solutions with cloud platforms like AWS
- Experience with Swift Modern Concurrency.

