



Geospatial Analyst

Wellington

Team:	Asset Services	Location:	Wellington
Reports to:	Platform and Automation Lead	Job Family:	ICT
Role Type:	Permanent		

About Us

KiwiRail’s Role in Aotearoa, New Zealand

KiwiRail, a proud State-Owned Enterprise, delivers sustainable and inclusive growth for our customers, communities, and people.

For more than 150 years, rail in New Zealand has connected communities, delivered freight and passengers around the country, and showcased our spectacular scenery to the world. Our purpose—Hononga Whaikaha, Oranga mo Aotearoa (Stronger Connections, Better New Zealand)—speaks to connection with our customers and the future needs of their businesses, connection with the communities we serve and operate in, and connection with each other. KiwiRail is carrying this legacy into the future, delivering connected rail and shipping transport services that create economic, social, and environmental value for New Zealand and New Zealanders.

Our Workplace

At KiwiRail, our values define the behaviour we expect from everyone. We have a team of over 4500 people, and every connection we make with each other, our union partners, our customers and all our stakeholders must be of the highest standard.



Safety, health, and well-being are our number one priority, ensuring our people return home safe and healthy every day.

About the Role

Purpose of the role

KiwiRail is in a phase of significant transformation to modernise and grow our rail and Interislander ferry services in Aotearoa.

This role is focused on supporting and enhancing KiwiRail's geospatial systems and platforms. In the Geospatial Support role, you will play a key role in maintaining core GIS platforms, supporting users, and improving how geospatial tools and data are used across the business.

You will gain hands-on experience working with enterprise systems such as ArcGIS Enterprise, ArcGIS Online (AGOL), ArcGIS Pro, and FME (Form and Flow), while also developing skills in automation, workflow optimisation, and geospatial application development.

This is a strong learning opportunity - working alongside experienced team members and other digital teams - to build both technical depth and practical business understanding.

Key Accountabilities

Within the area of responsibility, this role is required to:

- Support the administration, configuration, and ongoing maintenance of geospatial platforms, including ArcGIS Enterprise, ArcGIS Online (AGOL), ArcGIS Pro, FME Form and FME Flow
- Assist in managing users, permissions, content, and system performance across GIS platforms.
- Assist with managing and monitoring ETL processes that update spatial datasets (e.g. infrastructure and asset data), ensuring data pipelines run reliably and maintain high data quality and consistency.
- Provide first-level support for GIS systems, including troubleshooting issues, responding to user queries, and resolving map or application problems.
- Support the configuration, testing, and enhancement of mobile and web GIS applications (e.g. Survey123, Field Maps, web apps).
- Assist with deployment, monitoring, and improvement of FME workflows and integrations.
- Collaborate with other GIS teams to support effective use of geospatial tools and mobile data capture systems.
- Contribute to automation initiatives, learning and applying tools such as FME, and AI-enabled approaches to streamline workflows and reduce manual effort.
- Support the development of geospatial applications and tools to improve user experience and operational efficiency.
- Assist with system patching, upgrades, testing, documentation, and continuous improvement activities.
- Participate in cross-functional discussions to understand business needs and contribute to practical, system-based geospatial solutions.

Key challenges

- Supporting reliable system performance while learning complex enterprise platforms.
- Balancing user support needs with system maintenance and improvement activities.
- Developing knowledge of integrated systems and data flows across multiple platforms.
- Adapting to evolving technologies, including automation and AI solutions.
- Communicating technical issues clearly to non-technical users.

Key Relationships Here are the key relationships relevant to this role		Manage /Lead	Deliver to	Collaborate with	Advise or inform
Internal	Platform and Automation Lead – Asset Services		✓	✓	✓
	Project Teams		✓	✓	✓
	ERP and Asset Services Team			✓	✓
	Business Analysis Team			✓	✓
	Business Stakeholders		✓	✓	✓
External	3 rd Party Suppliers and Vendors			✓	



What you will do to contribute

Health Safety and Wellbeing	• Analyse workplace risks and develop mitigation strategies • Promote a culture of safety and wellbeing within your team • Respond effectively to safety incidents and near-misses • Support team members' physical and mental health
Customer Focus	• Provide a positive customer experience • Support a customer-focused culture at KiwiRail • Know our services well and explain them to customers • Respond quickly to customer needs • Develop solutions to meet customer requirements • Solve complex customer issues • Work with colleagues to improve customer outcomes
High Performing Teams Skills	• Maintain transparent and open communication • Support a collaborative decision-making process within the organisation • Foster a supportive and cooperative team environment • Provide timely and constructive feedback • Actively seek diverse perspectives in problem-solving • Identify opportunities for coaching and mentoring
Commercial Acumen	• Consider financial implications when making recommendations • Understand and comply with procurement guidelines • Work with suppliers to ensure quality outcomes • Recognise how financial decisions impact KiwiRail's overall position
Project Governance	• Follow governance frameworks and systems • Identify and address governance issues early
Risk Management	• Identify and forecast risks, issues, and opportunities in projects

Decision Making

The position is accountable for the provision of advice to project team members and relevant stakeholders.

Human Resources Delegations	Nil
Direct reports	Nil
Finance Delegations	None
Budget (operating and capital)	Nil
Statutory powers	Nil

Physical demands and the nature of work

This role is administration-based and requires:

- prolonged sitting and high computer usage
- limited walking, standing, twisting, bending (at the waist), crouching (bend knee)
- carrying of laptop and paperwork when alternating between home and office

Your role may include other tasks suited to your level, as your manager directs. This job description shows your current duties. We'll review and update it with you if your responsibilities change.

About you

Knowledge and experience

- Degree in GIS, Spatial Sciences, Information Technology, or related field
- Working knowledge of ArcGIS Pro, ArcGIS Online, or similar GIS platforms
- Exposure to GIS systems, data management, or application configuration through study or projects
- Interest or basic exposure to FME, Python, web apps, or automation tools is advantageous

Skills, Capabilities & Ways of Working

Technical Mindset (Systems & Troubleshooting)

- Interest in geospatial systems and data flows (e.g. ETL)
- Exposure to tools such as ArcGIS or FME
- Strong problem-solving and troubleshooting mindset
- Attention to data quality and system reliability

Behavioural (Collaboration & Communication)

- Clear communication with technical and non-technical users
- Collaborative and team-oriented
- Customer-focused, responsive support

Learning Mindset (Growth & Curiosity)

- Eagerness to learn from senior team members
- Curious about automation, integration, and new technologies
- Proactive in developing technical skills

Work Ethic (Ownership & Quality)

- Takes ownership and delivers quality outcomes
- Detail-oriented and reliable
- Adaptable and open to feedback

Qualifications

- Bachelor's Degree in GIS, Spatial Sciences, Computer Sciences, Engineering, IT, or related discipline

Training & Development

- Structured mentoring and support from **senior specialists**
- Hands-on experience with **enterprise GIS and integration platforms**
- Opportunities to learn and apply:
 - Automation (Python, FME)
 - Geospatial app development
 - System integration and optimisation
 - Emerging AI-enabled capabilities
- Exposure to real-world **transport, infrastructure, and asset management systems**
- Opportunities to collaborate with other digital and technology teams

Career Progression

This role provides a strong pathway into:

- Geospatial Systems / Platform Specialist
- Geospatial Developer or Automation Specialist
- Integration and Data Workflow (ETL) Specialist
- Broader Geospatial or Digital Analyst roles

The role is designed to build both **technical depth** and **enterprise system understanding**, supported by mentoring from experienced team members and exposure to wider digital teams.

**CREATING
STRONGER
CONNECTIONS**