

# Position Description

## Software Engineer



**LAST UPDATED: June 2021**

**LOCATION: Canberra**

### **ABOUT THE ROLE**

This is a key role within a development team to design, collaborate and execute the technical vision of Geoscape's APIs and data delivery service. The service (web portal) and APIs are how Geoscape delivers trusted location data in a way that enables our customers to effortlessly improve their businesses.

This exciting role is responsible for delivering technical solutions, contributing to vision, and the design and development of frameworks and components which make up Geoscape APIs and delivery platform. You'll work with the team to execute on technical solutions driving product goals, and break down product features into actionable, deliverable items of work.

Strong Technical and collaborative skills will be essential to support both the success of the team and the company at large.

### **WHO WE'RE LOOKING FOR**

A creative problem-solver with strong technical skills, and a desire to deliver the products our customers need.

You'll bring:

- Strong technical design, engineering, and architecture skills
- The ability to grasp a problem, assess solutions and take action to implement them
- The ability to communicate complex concepts in plain language.
- A willingness to own and operate the systems you are building
- Practical working experience with CI/CD
- An understanding and commitment to working in short cycles, pair programming and delivering product iteratively.
- The desire to always learn new skills and techniques, and to share your knowledge with the team.
- The ability to manage work with innovation time

**Importantly, we need you to be a role model of Geoscape's values and enhance our already impressive team culture.**

### **SKILLS**

We look forward to you providing examples of your skills and experience in:

- Deliver solutions that meet customer needs
- Improving technical standards
- 3+ years of software development experience

- 2+ years of experience with AWS, Azure, or Google Cloud platform, with a preference for AWS
- Working knowledge of Docker, IaC and CI/CD tools
- Strong communication skills, both verbal and written
- The ability to work autonomously as well as part of a team.

**It would be advantageous but not essential if you have experience with:**

- Both SQL and NoSQL
- Geospatial data
- Web frontend implementation experience using ReactJS or similar
- Machine Learning

**Tools We Use**

Some of the tools we use in our day-to-day work include:

- Python
- TypeScript
- Elasticsearch
- PostgreSQL/PostGIS
- PyCharm
- Docker
- Terraform
- AWS: RDS, Lambda, Kinesis, S3
- Git, GitHub, Jira, TeamCity

**JOIN OUR TEAM OF INNOVATORS**

Data was once an abstract idea. Today it's woven through our lives, linking the physical and the digital, informing the choices we make in rapidly evolving social and geographical landscapes.

Geoscape Australia is a trusted source of accessible location data, and an independent and self-funded company owned by the governments of Australia.

Promoting innovation is our cause. In the data-driven economy, our data powers new technologies, products and processes, improves productivity and stimulates economic growth.

With a history of collaboration and a culture of shared thinking, we push beyond what we know today to approach new challenges with a fresh perspective.

The result? For businesses and governments, the data required to make better decisions. For our people, the chance to build a meaningful career solving real-world problems.

**OUR VALUES**

- **Passionate about people.** We're passionate about making a difference and putting people first in the decisions we make.
- **Proven knowledge.** We have a continual thirst for knowledge, experts who are always looking to learn.
- **A leader's mindset.** We're agile and nimble, leading the way through our innovative and creative thinking.
- **Respectful collaborators.** We're respectful, optimistic and encouraging, celebrating diverse backgrounds and perspectives.

**Are you ready to join us?**