

Position Description

Senior Software Engineer



LAST UPDATED: June 2021

LOCATION: Canberra or Sydney

ABOUT THE ROLE

You'll take the lead in this role and work with the team to design, collaborate and execute the technical vision of Geoscape's Continuous Data Platform. Reviewing and influencing existing solution, design and system architectures. You'll have responsibility for the design and development of frameworks and components that make up Geoscape's data processing and delivery platform. Requirements of the role also include leading the technical direction, encouraging innovation, and delivering trusted location data in a way that enables our customers to effortlessly improve their businesses.

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
- An understanding of 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.

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:

- Leading and engaging teams to deliver solutions that meet customer needs
- Taking a pragmatic approach to setting, maintaining and improving technical capability, standards and expertise across teams.
- 5+ years of software development experience,
- 3-5 years using Python and JavaScript
- 2+ years of database development experience, with a preference for PostgreSQL/PostGIS

- 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:

- Geospatial data
- Web frontend implementation experience using ReactJS or similar
- Data Engineering.

Tools We Use

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

- Python
- Typescript
- PostgreSQL/PostGIS
- PyCharm
- Docker
- Terraform
- AWS: RDS, Lambda, Kinesis, S3
- Git, Concourse CI, Jira.

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?