



**POSITION TITLE:** Software Engineer

**LAST UPDATED:** June 2018

**LOCATION:** Canberra, ACT

*Ready to join a transformational team working at the forefront of location data intelligence?  
It's an exciting time to be part of the growing PSMA team.*

## **ABOUT THE ROLE**

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The Software Engineer works in an Agile squad to design, collaborate and execute the technical vision of PSMA's continuous data platform that delivers trusted location data in a way that enables our customers to effortlessly improve their businesses. Every day, you'll help solve the problems of tomorrow.

This exciting role is responsible for evaluating technologies, and designing and developing frameworks and components, for inclusion in PSMA's data processing platform. You'll work with the product manager to build a technical vision to deliver on product goals, and break down product features into actionable, deliverable items of work.

Leadership and collaboration skills will be essential to support and mentor technical capability across PSMA, while also providing guidance into the PSMA Architecture Forum.

To effectively deliver quality location related products to the market the role involves proactive engagement with PSMA's stakeholders, as well as internal experts including:

- product managers
- Scrum masters
- technical architects
- developers
- quality assurance engineers
- operations and support staff.

This role is critical to ensuring PSMA's reliable and accessible location data is central to the success of the data economy and provides the successful applicant with an opportunity to provide technical leadership to the team, while still having fun.

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

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We need a creative problem-solver who is technically savvy, with a desire to deliver the products our customers need.

From your first day, you'll bring:

- an insatiable professional curiosity and ability to learn new skills
- a positive can-do attitude and integrity in your decision making
- a focus on accuracy, efficiency, confidentiality and timeliness in carrying out all duties
- the ability to manage work with initiative and leadership
- the ability to communicate complex concepts in plain language
- a reliable and flexible approach to workload and deadlines
- a collaborative and respectful approach to your dealings with colleagues, customers and suppliers.

Importantly, we need you to be a role model of PSMA values and enhance our already impressive [team culture](#).

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

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To complete the package, you'll need to provide examples demonstrating skills and experience in:

- 2+ years of software development experience, preferably using Python
- 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
- 2+ years of experience using and building RESTful APIs
- Working knowledge of Docker and CI/CD tools
- Verbal communication and writing clear documentation
- Leadership effectiveness including working with the team to set expectations and create a challenging and rewarding work environment
- Working autonomously as well as part of a team.

It would be advantageous but not essential that you have had experience with

- Airflow
- GDAL
- Apigee

## **TOOLS WE USE**

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

- Python
- PostgreSQL/PostGIS
- PyCharm
- Docker
- Airflow
- AWS: RDS, ECS, Data Lake
- Jira, Git

## **PSMA: JOIN OUR TEAM OF INNOVATORS**

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PSMA's team of innovators are passionate about providing location data for a digital world.

PSMA actively sources geospatial information from all levels of government and through private sector partnerships. We standardise and integrate the data, assuring its quality, and then transform it into authoritative products that are highly valued by customers. In support of our existing products and services, PSMA is also growing a portfolio of APIs for use in internet-connected applications.

We're operating within a rapidly growing data economy, which is increasingly reliant on high-quality location data to drive business and government outcomes. That's why we have to continue to demonstrate that we can provide reliable and accurate infrastructure to meet consumer expectations.

To achieve our best as a team while staying strong and united, we're driven by a culture program where our values drive our behaviours. These foundational values are:

- RESPECT for our people

- PASSION for what we do
- LEADERSHIP courage to be adventurous with ambiguity
- KNOWLEDGE through professional development and mentoring.

This team culture, combined with a focus on equality and diversity in the workplace, makes PSMA a great place to work.

**Are you ready to join us?**