

# Senior Software Engineer – Job Specification

## About the role

Corlytics provides smart regulatory compliance solutions to the Financial Services industry to help them track, monitor, and manage complex risks related to regulatory activities worldwide. The tools and underlying platform are built by multi-disciplinary teams including legal, banking, and technology specialists. The Company is growing rapidly and is undertaking enterprise deployments at global scale.

As a **Senior Software Engineer**, you will be working with a team of Python developers and UI developers contributing to the development of new generation of cloud-based analytical products in the area of financial regulatory risk. The team's main responsibilities are in developing web applications and APIs to support client access to and use of our regulatory content.

## About the Role

- Actively engage in solution design with Business and Technical representatives, be prepared to rapidly prototype solutions where relevant or necessary. Bring your thoughts on new techniques and alternative approaches to the team.
- Take overall responsibility for development of significant elements of our mission-critical SaaS platform.
- Work in a fast paced environment without close supervision to deliver high quality software through the full development lifecycle.
- Particular focus on provable code quality in support of a continuous delivery methodology.
- Recommend and champion the use of new technologies whether for direct use in products or in supporting the development lifecycle.
- Build fault-tolerant software – software that expects the unexpected.
- Planning, estimation, and logical organisation of tasks.
- Perform code reviews and testing as needed to ensure high quality deliverables.

## Skills and Experience

The role involves development of APIs and web application backends using the Python language. We are looking for significant experience to underpin that, supported by:

- Create and communicate development plans and schedules.
- Ensure team meet deadlines with high quality deliverables.
- Embody continuous improvement – bring to life your ideas about how to make these systems better.
- Build APIs for clients to access our data.
- Build responsive, reliable, performant, and secure web application backends.
- Implement, tune, and maintain the Devops necessary to support the above.
- Contribute strongly to development of surrounding processes.

We're a small team and individuals will be expected to contribute broadly rather than having a narrow deep focus. This in turn implies a strong grasp of the essential technologies and the experience to know how to best apply them.

### Essential:

- Python web application and/or API development.
- Strong SQL and RDBMS modelling skills.
- Reasonable Linux knowledge.
- Modern and agile Devops
- Strong communication skills, ability to fit into a cohesive team.
- Minimum 5 years' experience in comparable business/technical/product environments, with at least 3 years working in Python

### Desirable:

- PostgreSQL and use of PostgreSQL via SQLAlchemy
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- Azure infrastructure configuration
- Basic working knowledge of interfacing with LLMs, such as OpenAI or Microsoft Cognitive Services APIs.

**Note:** The use of Python for Data Science and Machine Learning projects is not very relevant to this position.

## **Interview Process**

**Round 1** – short screening interview to assess skill level and potential fit – 30 to 40 minutes.

**Round 2**- technical interview. 2 hours. We will drill into your experience and knowledge of the relevant technologies.

**Round 3.** Depending on the availability, there may be a 30-minute final interview with our CEO or CTO.