

## Project Title

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Ticketing Integration with ServiceNow

## Project Description

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The Panaseer UI is a dashboarding platform that allows users to identify cybersecurity issues that must be resolved. Typically, the enterprise security team will identify these security gaps and raise work to the IT team to resolve. This is often orchestrated, as part of an ITSM process, through a ticketing system. ServiceNow is the market leader in ITSM ticketing, and the Panaseer UI is to be integrated, via the Panaseer REST API, to ServiceNow in order to create new tickets and read the state of existing tickets. High-Level Design section has further details.

## Engagement Model

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**Outsourced Project** – capability delivered to agreed specifications & budget by fully-managed, outsourced team. The capability will be built on the existing Panaseer codebase, rather than a separate, greenfield project.

Ideally, Fixed Price but Time & Materials can be considered. Panaseer has estimated 1-person-month of effort for the initial MVP. If the MVP is delivered successfully, further work will follow to extend the capability.

While process alignment is not required, technical alignment is expected as the developers will be working on the Panaseer codebase where our technical standards & conventions must be followed. All code will be reviewed prior to acceptance and automated testing (unit & integration) is required.

Panaseer will assign a Product Owner and Technical Architect to provide guidance to ensure the final deliverables meets both business and technical requirements.

## Required Skills & Experience

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For successful delivery, it is expected the team will require the below skills.

### Essential Skills:

- Java 8 + Spring Framework + JPA (e.g. with Hibernate)
- Basic Angular 7 + TypeScript to develop the ticket form using Angular Material & Angular Reactive form components
- Testing
- Git

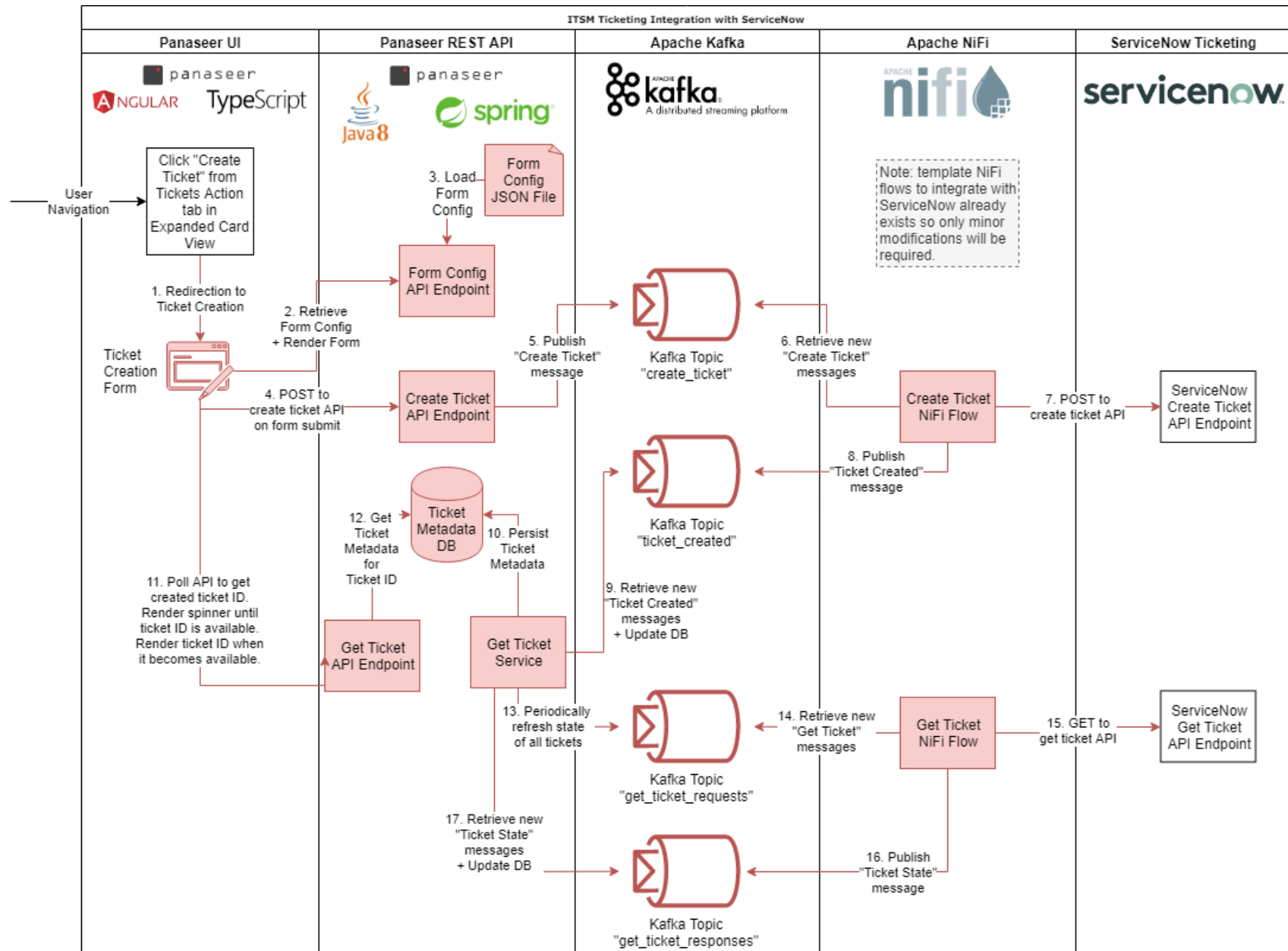
### Desirable Skills:

- Experience with Apache Kafka & Apache NiFi is desirable but not required as the integration is minimal and the requisite skills can be acquired on the project. For NiFi, we have templates that can be adapted, so these will not need to be developed from scratch.

## Who are we?

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We are a start-up at the intersection of data science and big data technology in the rapidly growing cybersecurity sector. Our platform takes data from security, IT and business solutions to build trusted asset inventories, identify gaps in security controls and arm both security teams and executives with metrics that enable them to make better decisions.



## High-Level Design

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Please refer to the diagram on the previous page for an overview of the design we're considering. The execution flow can be traced by following the enumerated steps. Essentially, the process starts with the write-path (steps 1 to 10) where a new ticket is created, and ends with the read-path (steps 11 to 17) where the state of existing tickets are retrieved.

All items in red (i.e. all red components and interactions) are in scope for delivery in this project.

Further details can be discussed on a scoping call.