

API/Microservices/Backend Test Engineer

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Company: Orion Innovation

Location: Istanbul

Category: other-general

Orion Innovation is a premier, award-winning, global business and technology services firm. Orion delivers game-changing business transformation and product development rooted in digital strategy, experience design, and engineering, with a unique combination of agility, scale, and maturity. We work with a wide range of clients across many industries including financial services, professional services, telecommunications and media, consumer products, automotive, industrial automation, professional sports and entertainment, life sciences, ecommerce, and education.

Day to day responsibilities:

Collaborate with DevOps to develop effective strategies and test plans.

Set up and maintain API testing framework to include regression testing.

Create trusted API and Microservices automated testing solution with high reliability and relevancy.

Set up test environment, execute test cases (manual or automated) and analyze results.

Use automated testing software to include API and Microservices testing.

Evaluate product code according to specifications for each sprint / release cycle.

Create logs to document testing phases and defects.

Report bugs and errors to development teams.

Help troubleshoot issues.

Conduct post-fix, post-release/ post-implementation testing.

Work with cross-functional teams to ensure quality throughout the software development lifecycle.

Critical Skills:

In-depth understanding on microservices & event driven architecture.

SQL and API testing including automation (100% automation coverage desired).

Languages: C#, Rest Sharp, xUnit/nUnit.

Instant messaging tools: Rabbit MQ, AMQP, MQTT, JMS.

Understanding of Azure functions: Service Bus, Events Hub, Messaging Infrastructure, Security Topics etc.

Security Protocols: LDAP, OAuth, SAML, Sessions Management.

Deeper understanding on performance testing, auto. Scalability etc. (API performance testing experience with JMeter is preferred)

Database: MySQL, MSSQL, Maria (Understanding of NoSQL Databases).

Exposure to data pipelines.

Version Controlling: GitHub, Git bash.

Experience & Education Requirements:

A bachelor's degree in computer science or relevant field preferred.

Strong background in SDLC and Agile (Scrum) software development methodology.

Minimum 6+ years of QA experience with the combination of API, Microservices, and Backend Automation testing with languages and tools mentioned in Critical Skills section above.

Strong programming and software testing ability with regards to client server, micro-services, event driven data transfer and Real Time applications.

Experience with testing large scale software and SaaS implementation.

Experience with Azure-based SW Development environment.

Experience testing with client-server integrations using instant messaging protocols and tools.

Experience with Azure tools related to client-server RT architecture (Azure Service Bus, Events Hub).

Strong understanding and experience with implementation of security concepts in client-server integrations.

Deep understanding and experience in API design with OpenAPI standard, REST WS, JSON including documenting for internal and external (commercial) using API documentation frameworks (e.g., Swagger).

Experience with DevOps and CI/CD pipeline (ADO, Jenkins, Git Actions).

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