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ABOUT ME

Quality advocate with a strong passion, always looking for ways & opportunities to learn and improve - with Strong Digital Projects background.

Self-starter with strong technical skills, doing 'full-stack' testing to understand inherent techno-functional risks on projects & collaboratively work with other engineers / project stakeholders

I'm curious by nature and willing to take on unfamiliar tasks and experiment with tools & solutions

CERTIFICATIONS

- **AWS Certified** Cloud Practitioner (CLF-CP01)

- **Microsoft Azure Cloud** Fundamentals **Certified** (AZ-900)

- Scrum.Org Certified (PSM-I) Professional Scrum Master

- **TOSCA** certified **Automation Test Specialist** (AS1 & AS2)

- **ISEB Intermediate** Certificate in Software **Testing** (BHO-007)

TRAININGS

- **JMeter Pro**: From BlazeMeter University (Ongoing)

OTHER SPECIALISMS

ETL Testing on Oracle Data Warehouse using SQL, Data Migrations Testing, BI Reports, Ingestions, storage & analytics Testing, Load plans testing from heterogeneous sources & Data Mining Projects, Hybrid data integrations, Transformations, Reconciliation, DevOps / Continuous Testing

Infrastructure, Cloud testing, Operational Acceptance testing, Replication, Operational Acceptance, Hosting & Infrastructure testing

Shailesh Kumar

SHAILESH KUMAR

Sr. TEST ANALYST (Technical tester, Automation, NFT, Manual)

DIGITAL TRANSFORMATIONS, SOA / CLOUD SERVICES, CRM SOLUTIONS, DATA WAREHOUSING, DATA INTEGRATIONS, MIGRATIONS, BUSINESS INTELLIGENCE

13+ years of delivering across a wide range of software delivery and transformation projects, primarily in Software quality and assurance

MISSION

To Contribute to **quality**, **reliability**, and **predictability** of Software & the Team – by performing manual, automation, non-functional testing of applications and services

SUMMARY: Testing, Quality Control & Assurance

- Extensive experience in Aviation industry, **Public sector (~6+ years)**, academia (University), Telecoms, HealthCare, Retail and a host of other industries prior to that.

- I perform HANDS-ON testing/QA in any team I work in, using modern Agile practices, implementing test solutions depending on the context (Using manual, exploratory, Automation, scripted techniques) with a DevTestOps mindset working in collaboration with other engineers

- Proven track record working within Agile development teams with multi-disciplinary makeup and delivering services in line to GDS principles as per **digital Service Standards** prescribed by **GDS** - championing the usage of testing tools & techniques that have enabled better collaboration & efficiency

RECENT: TEST/QA SPECIALIST – MAG (AIRPORTS GROUP) [AUG '19– MAR '20]

Providing **Functional testing**, **Test Automation & Performance** testing services of traditional web applications, Cloud architected services and REST API's in addition to leading and owning key initiatives, technical consulting & leadership.

- Responsible for scoping, planning, designing, implementing and execute and reporting of test activities including documenting, Scripts development (functional Regression & API's Performance) to assess IT solutions are 'fit for purpose'

- Execute manual tests as required and assist other team members

- Conduct testing ensuring services/APIs are designed to spec and capable to meet peak volumes, monitoring and providing insights from testing

- Identify testing requirements for continuous ongoing improvements and release cycles – aiming to increase coverage and ensure stability of test packs available and traceability of req's

- Working closely with technical and infrastructure teams to diagnose issues and find solutions for technical, operational & Performance faults and challenges

Testing Duties: Test planning, Document them, Scoping, Review requirements and user stories/acceptance criteria, Design & document test cases, map to requirements for coverage, Test Data preparation (functional tests and also high volume for NFT), Reporting issues

Manual execution, exploratory testing, automating/scripting regression for coverage, provide feedback to developers, Conduct Witness testing (UAT/With business), Performance testing (Load/Stress/Soak), Resiliency & Failover testing, Monitoring & Alerting, troubleshooting and diagnostics

Automation Test Tools Used on Project: Postman/Spec flow (**API**), Selenium with C# (**Web UI**), JMeter (**Performance**), Selenium with **Java** using **Cucumber** for BDD

Technology Stack: MuleSoft integration platform (ESB's), Java/.NET built front-ends, Azure AD, SQL, AWS, RESTful API's, micro-services, multiple 3rd party API integrations, ELK, Rabbit MQ, AWS

TECH SKILLS / TOOLS

API-Automation: Postman

UI-Automation: Selenium, Spec flow, Cucumber BDD, WebDriverIO

Cross-Browser: Using Selenium GRID

Performance Testing: JMeter, MS Visual Studio Load Test, LoadUI

Prog. Languages: C#, Java

Virtualization s/w: Docker, Rancher

DevOps tools (CI / CD): Git, TeamCity, Octopus, Visual Studio Team Services, Jenkins (With Maven)

DB Admin tools: SSMS, Toad, SQL Workbench, Mongo Vue etc.

Relational DBs: SQL Server, Oracle

NoSQL DBs: MongoDB, Raven DB

Code Hosting platforms: GitHub, Bitbucket, GitLab

Logging and Monitoring: Dynatrace APM, Elastic Search, Logstash, Kibana

IDE: Visual Studio 2017, VS Code

Unit testing: N-Unit, X-Unit, Junit

Exploratory Testing Tools: Chrome Dev Tools, Fiddler2

Ticket/Project Mgmt.: JIRA, Mingle, Bugzilla, Confluence, HPQC (now ALM), Mantis

Data Interchange Formats: XML, JSON, JSON-LD

Reporting / Data Integration: Business objects XI (Back in 2007), Crystal Reports (Reports Design tool), SQL Server Reporting Services (SSRS) / SQL Server Integration Services (SSIS), Oracle Warehouse builder (OWB)

OS: Windows, Linux, Ubuntu

PREVIOUS WORK

Lead QA/Tester- Evidence platform at NICE, MCR [APR 2018– JUN 2019]

Provide **Full-Stack (E2E), functional, Performance and automated testing services** on a next generation Systematic Reviewer software platform used for evidence synthesis in healthcare:

Testing Tools: UI-Automation testing using **WebDriverIO** Selenium JavaScript / **Cucumber BDD(UI)**, Postman (Exploratory testing) for **(API)**, Performance Testing using **JMeter**

- Lead QA/testing efforts (Performing, Coaching, Automating) in delivery of its Evidence Platform which supported NICE in delivering its Digital Strategic Priorities as per **digital Service Standards** prescribed by **GDS**

- Perform all testing activities following engineering best practices primarily Risk-based exploratory techniques & **Performance** testing & **Resilience** Testing

- Define and create Integration, System, Regression, UAT, Functional, Non-Functional testing strategies (accessibility, security, resilience) using a variety of Scripted, Exploratory and Automation Testing Techniques

- Own the delivery tasks within the team working with infrastructure, architecture, the operations teams depending on the team's context

- Overseeing and mentoring junior members from the testing discipline.

Technology Stack: .NET Core architected Web, Docker, micro-services, RESTful APIs, federated applications using multiple third-party API integrations, NoSQL (MongoDB, Raven DB), Linux, Amazon Web Services, Redis, Azure Cloud, Azure Machine learning, R-Statistical package

University College London as Specialist Test Consultant (Contract) [APR'17– MAR'18] (5 contract extensions)

Lead and define the quality standards set in place and manage the day to day production of software and release to agreeable and acceptable thresholds

- Setup testing/QA function within their product development team

- Perform E2E exploratory, integration, regression, compliance, regulatory, data-integration, performance testing adhering to software requirement specifications

- Provide technical and analytical support to project team members whilst evaluating the software being produced - day to day

- Recognizing opportunities for knowledge sharing between multiple stakeholder teams (UCL & project partners) & proposing solutions where necessary

- Propose and contribute in ideas/code to setup/improve development testing process

- Start & Foster collaboration culture (esp. coz of geographically separate team members)
- Perform exploratory testing in a structured format doing in timeboxed sessions

- Proposed/Reviewed/Setup the working processes with the available capabilities and priorities

- Liaise with project stakeholders about the planning, coordination, development and execution of process building and implementation, including training

- Review & showcase the software being produced biweekly to business stakeholders

National Institute for Health and Care Excellence as Sr. Software Tester (Contract) [DEC'10– MAR'17] (14 contract extensions)

NICE creates a range of digital products/services for internal and public consumption including many public facing websites such as Guidance, NICE Pathways, BnF/BnFc, interoperable APIs - and many other specialist services.

ACHIEVEMENTS

(MAG) Champion of improving organizational level testing practices by introducing collaborative working practices and getting the buy-in from leadership team

(MAG) Delivered Performance testing of API's and Enterprise platform introducing JMeter

(MAG Airports Group) Led and delivered the POC for new Project / Service automation framework (MaxTAF for Maximo) (functional)

(UCL) Helped them start a proper enterprise style testing function within their product development team who were partnering/co-developing a service with an external organization

(UCL) Helped/Shaped the tooling along with Setting up the ways of working with new age tools (CI/CD) and methodologies – and contributed to reducing the time to production

(UCL/NICE) Shortened release cycles by creating small feedback loops in the development/delivery process

(UCL/NICE) Engaging with customer base, creating a customer first approach culture

(NICE) Facilitating workshops for user-training to make the users less anxious of constant software changes

(NICE) Running free user drop-in sessions to gain user-confidence and make productive partnerships

(NICE) Owned and acted as the point contact for communication of change control notices to external 3rd parties outside the client's organization

(NICE) POC conducted for the automatic checks for Accessibility & cross browser which in turn saved time when running automated test suites

- **Own/Perform manual, exploratory, browser compatibility, A/B testing, Analytics, regression, accessibility, resilience, failover, replication, integration, compliance, cross-platform, performance, security, operational readiness, Acceptance, User-centric and volume testing of web applications**

- Been a major activist in transforming the delivery methods in the organization from Waterfall -> Agile methodologies

- Delivered numerous software applications (front end, back end, interfaces, APIs, Content management systems, collaboration tools, intranet systems etc.) to tight time-scaled and in a highly collaborative work environment

- Work alongside BA's, dev engineers & Operations teams to smoothly transition services from design, development phases through to live/production providing inputs and also help analyze and fix things in the event of defects arising

- Experiment with tactical frameworks solutions for challenging new testing problems and also carry out End-to-end Functional, integration & System testing

- Build relationships with core stakeholders within the domain to meet their quality expectations
- Identifying potential risks and highlighting to key stakeholders (Sponsors) together with mitigation plans.
- Collaborating with systems team for test beds for various testing phases.
- Defects & Change Controls - triages, management, prioritization, estimations, scheduling, execution

British Telecom for Mastek UK as DWH Senior ETL Test Analyst [JUN '07-DEC'10]

A project driven by ministerial commitments to deliver, measure and improve services offered by the NHS.

- SUS (Secondary uses services) was the Largest Data Warehouse (as of 2006) in Europe that stored this patient-level information in line with national standards and applies complex derivations which support national tariff policy and analysis for secondary uses.

- Test & validate complex business rules across different health data sets. (commissioning datasets <https://bit.ly/2GwVbfR>)

Worked on the SUS data-warehouse releases starting from R3L, R3R, R4, R5.1, R6 and critical R7 release delivered in APR 2010 and also the Non-functional test analyst role in R6.1 SAMR, R8

Testing (SIT, UAT), Quality control & Assurance, RFO Testing, Management, leadership, Liaising with all the stakeholders' i.e. Customer-CFH, Deployment, Infrastructure, Suppliers, Data, and Defect Teams (CDS, MHMDS, CAB, PDS datasets)

Peer reviews, Resource management, onsite offshore coordination, supplier mgmt., monitoring, reporting, interview candidates, line management.

V2 Solutions Ltd, Mumbai as QC Engineer [2006- JUN 2007]

- **QMTRY.com (v1.0): Testing** of a SaaS product which has now become a reputed one stop test management solution garnering good reviews in the industry.

Tech Stack: PHP, My SQL, Apache Web server, SQLServer2005, SSRS, SSIS

- **THEBODYSHOP.CO.UK (E-commerce application)** built using Java server side & SQL Server DB. Developed for the customers across USA and the UK in parallel and was aimed at general public to shop online.

Tech Stack: PHP, My SQL, Apache Web server, SQL-Server

--- Testing of: Payment gateway platform, backend database (components which constitute and support the website transactions, Subscription selling, Account Management shipping options etc. were other functional aspects of these applications)

--- Functionality, regression, GUI were tested whilst shadowing a senior tester in the team

(UCL) Work with and take upon the complex data creation for testing the de-duplication algorithm built by external contractor which outperformed existing domain/commercial versions

(NICE) Proposed and worked on the POC to come up with a strategy/component that can simplify the process of alerting and notifying using ELK (logging and monitoring platform) - an open source 'watcher' component was the outcome. Together with slack integration, it saved ££s, time we'd spend usually finding and chasing the errors and also made us much more efficient

(NICE) Championed the development / delivery process in the environment into Agile / Iterative Delivery environment (Using Scrum, TDD) at NICE – which is still practiced (NICE) Stepped up to play varied roles such as scrum master & BA in some projects in addition to testing – and was acknowledged by the senior management team for being pro-active and self-motivated and accountability displayed in delivering the releases

(NICE) Led from the front in producing 'comprehensive test documentation' during greenfield projects which reduced the waste that 'exhaustive documentation' was creating – which in-turn was eating up the valuable time we could use on the project – exploratory testing

(NICE) Pushed for co-location of cross functional specialists in delivery teams

SERVICES: MY TESTING CATALOG

- Digital / SOA / Webservices / APIs (built using .NET, Java) – On Azure Cloud & AWS

RESTful APIs (programming interfaces), SOAP services, Public API's ([Content Syndication](#)) for multiple Services, Public Facing **Websites** namely CKS, BnF & BnFC Microsites, NICE Pathways, Journals etc.

Also, Content management system (Orchard CMS), Organization Intranet portal, HEALTHCARE Content Publishing platform (Bespoke processes and workflows), Messaging queues such as RabbitMQ, HL7 Messages

- Enterprise Platforms (Off the Shelf S/W – ERP's / CMS)

MuleSoft integration platform (middleware), MS Dynamics CRM 2013, SharePoint, Orchard Project CMS, Microsoft FAST ESP Service (Search technology)

- Infrastructure, Cloud Tech/Platform

Infrastructure qualification, upgrades, framework upgrades (web from .net4, 4.55, core1, 1.1, 1.2, 2.2) cloud and on-premise hosted solutions, setting-up/creation, cloud migration programs, data management, environments management, virtualization, VMWare

- Collaboration Software (built using .NET, Java) – On Azure Cloud & AWS

Microsoft Dynamics CRM 2013, MS SharePoint. Bespoke cloud-based collaboration app with workflows with RBAC, Bespoke guidance publishing platforms with custom workflows to cater to multiple departments in the organization and ext. partner orgs

- Data warehousing / Business Intelligence Applications/Software (ON PREMISE)

Databases with up to a 150 TB, Database Upgrades, O/S platform migrations, Extraction, cleansing, validation, quality conformance, Data-integrity, Stage, transformations, analytical reporting, Data warehouse, Reporting tools, ETL applications, Pseudonymization, Data Marts (FACTS) & Aggregations(Dimensions), SAP Crystal Reports, Business Objects, Ardentia PLC

Work with Information architects, data governance teams including scientists, researchers & stewards in creation of Datawarehouse for Data analysis & Insights, Visualization, Analytics and reporting (MI and other policy related/recommendations). Tools used: DataStage, Informatica.

- IDAM & Federation Architected Services

Federated Identity Management apps(Open Athens / Single Sign on), Multi-factor Auth Solution (using Google)

Adv. Federated Search portal (HDAS), Adv Federated Document supply service (find and order digital content)

- Specialized testing (Domain)

Testing of the API, UI & Backend layers of the domain specific products using manual and automated techniques (all public facing) namely, UK Pharma Scan, health TechConnect

MANAGEMENT EXPERIENCE:

Support delivery/Project heads in planning for resources and risks mitigation to ensure timely releases delivery

Scheduling, planning, strategy, execution, reporting and recommendations

Team lead, onsite/offshore work, coordination with 3rd parties and external suppliers

----END of CV----