Karan Kumar

Senior Automation Test Engineer

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PROFILE

Experienced **Automation QA Engineer** with 7 years in Telecom and Insurance domains, specializing in UI, API, and backend testing using tools like **Java, Selenium WebDriver, TestNG**, and **Postman**. Adept in backend validation through **SQL**, **Oracle DB**, and **Unix** for log analysis, job monitoring, and data integrity checks. Proficient in designing and maintaining **CI/CD pipelines** using **Jenkins** and **GitLab**, automating application builds and deployments to **Tomcat servers** on **RDP environments**. Skilled in creating and managing **Docker containers** on **Red Hat Linux**, enabling consistent and scalable deployment workflows. Successfully integrated automated regression suites into CI pipelines to ensure build stability and faster release cycles. Experienced in validating large-scale **database migrations** using complex SQL queries.A strong team player in Agile environments, committed to delivering high-quality, automation-first solutions aligned with business and delivery goals.

PROFESSIONAL EXPERIENCE

SDET – Automation and DevOps, *Wipro(WDIS)* 02/2023 – present

- Engineered and managed end-to-end **CI/CD** pipelines with **Jenkins** and **GitLab**, automating over 90% of the manual deployment process which accelerated delivery workflows by 40%.
- Developed a **Selenium** automation suite that ran after each deployment, reducing **regression** testing time by 75% and enabling immediate feedback on build stability.
- Validated complex **database migration** by writing and executing advanced SQL queries to verify data integrity post-migration.
- Built and managed **Docker** containers on **Linux** servers, improving deployment consistency by 99% and eliminating environment-specific issues on client machines.
- Created additional Jenkins pipelines to automate build, deployment, and testing processes, optimizing delivery workflows and reducing manual intervention.

Automation QA Engineer, *Wipro Limited(HKT)* 03/2020 – 01/2023

- Drove a 25% reduction in post-release defects by creating and executing comprehensive test plans for key Telecom modules within an **Agile** Scrum environment.
- Build the automation of the regression suite using **Java** and **Selenium**, which increased test coverage by 70% and slashed manual testing effort by 80%, saving over 20 hours of work per sprint
- Validated over 50 **RESTful** API endpoints using Postman, a process that identified critical backend defects and improved system reliability by 20% before production.
- Leveraged advanced **SQL** and **Unix** scripting for backend data validation, which accelerated the root cause analysis of production issues by 40%.
- Collaborated with cross-functional teams and clients to gather requirements, clarify use cases, and reducing User Acceptance Testing (UAT) defects by 40%.

QA Engineer, *Wipro Limited(Aviva)* 07/2018 – 12/2019

- Performed comprehensive **manual testing** across web-based insurance applications, ensuring functionality, usability, and compliance with business requirements.
- Designed and executed detailed **test plans, test cases, and test scenarios** based on functional specifications and user stories.
- Participated in **Agile ceremonies** including daily stand-ups, sprint planning, and retrospectives.
- Logged, tracked, and managed software defects using **JIRA**, collaborating closely with developers to ensure timely resolution.

EDUCATION

M.Tech in Software Engineering, *BITS Pilani* 04/2019 – 12/2022

Bachelor of Computer Applications, 08/2015 – 07/2018
CCS University, Meerut

CERTIFICATES

Google Cloud GenAI - L1

Generative AI(Wipro) — WeGA 101 │ WeGA 102

GitHub Copilot 🔗

AWS 🔗 — CLF-C02(Certified Cloud Practitioner)

AWARDS

Business Unit Award- "I am QET, I lead"

Stand out Performer for contribution in project with extra efforts and time

Performance award- "Go That Extra Mile"

Inspiring Performer

LANGUAGES

Hindi ● ● ● ● ● English ● ● ● ○ ○

Punjabi ● ● ○ ○ ○

SKILLS & TECH

Programming	Core Java, SQL
Automation Tools	Selenium WebDriver, TestNG, JUnit
API Testing	Postman, SOAP UI
Frameworks	Page Object Model (POM), Data-Driven Framework
CI/CD & VCS	Jenkins, Git, GitHub, GitLab, Apache Maven
Databases	Oracle SQL, MySQL
Containerization & Deployment	Docker, Tomcat, Linux
Project Management	JIRA, Agile/Scrum
IDE	VSCode, Eclipse, STS