

# VIKAS KUMAR

## Senior QA Automation Analyst | DevOps & CI/CD Specialist

London, ON | Open to Remote (Canada & US) | +1 226-978-9697 | [kvvikaskumar447@gmail.com](mailto:kvvikaskumar447@gmail.com) | [LinkedIn](#) | [Portfolio](#)

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### PROFESSIONAL SUMMARY

Senior QA Automation Analyst with 8 years of experience architecting scalable test automation frameworks and implementing DevOps-enabled CI/CD pipelines. Proven track record of improving team efficiency by 35% and reducing regression testing cycles by 60%. Expert in Playwright, Selenium, Cucumber BDD, GitLab CI, Docker, and AWS. Currently expanding expertise in DevOps engineering and AI-augmented testing, leveraging GitHub Copilot to achieve 3X test development velocity. Experienced leading cross-functional QA teams across multiple concurrent projects in financial services, automotive intelligence, and manufacturing sectors.

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### TECHNICAL EXPERTISE

**Test Automation:** Playwright • Selenium WebDriver • Serenity BDD • Cucumber • TestNG • JUnit  
**DevOps & CI/CD:** GitLab CI • Jenkins • GitHub Actions • Docker • AWS (EC2, S3, Lambda) • Maven • Gradle • Git  
**Programming:** Java • Python • TypeScript • JavaScript • SQL  
**Testing Tools:** Postman • SoapUI • REST API • SOAP • GraphQL • JMeter  
**Databases:** MS SQL Server • PostgreSQL • MongoDB  
**Project Management:** JIRA (xRay) • Confluence • Agile/Scrum  
**AI/ML Tools:** GitHub Copilot • LLM-based Test Generation

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### PROFESSIONAL EXPERIENCE

#### Senior QA Automation Analyst | JD Power & Associates, London, ON (Remote) | March 2022 – Present

Lead QA operations across 4 automotive intelligence products (PIN+, IQS Live, CSI Live, Vantage) serving OEMs and industry stakeholders, managing quality assurance for real-time data applications processing multi-million record datasets.

- Lead team of 5 QA analysts in Agile environment, collaborating with developers, data scientists, and product owners to deliver mission-critical automotive intelligence solutions
- Architect and maintain scalable test automation frameworks using Playwright, TypeScript, Serenity BDD, and Cucumber, managing 500+ automated test scenarios across multiple product lines
- Design and implement GitLab CI/CD pipelines with Docker containerization and AWS integration, enabling continuous testing across dev, staging, and production environments
- Improved team efficiency by 35% through process optimization, standardized documentation, and productivity tracking using JIRA metrics
- Leverage GitHub Copilot to achieve 3X velocity in test script development and 25% productivity boost through reduced debugging time and accelerated documentation
- Perform complex database validation using SQL queries against MS SQL Server and NoSQL databases, ensuring data accuracy across high-volume automotive datasets
- Execute comprehensive API testing using Postman for RESTful services, validating data contracts and system integrations

**Technologies:** Playwright, TypeScript, Serenity BDD, Cucumber, Selenium, Java, Postman, GitLab CI, Jenkins, Docker, AWS, Git, Maven, JIRA

### **Automation Tester | CGI (Financial Services Client), Remote | April 2021 – February 2022**

- Designed and implemented test automation frameworks using Java, Selenium, Cucumber BDD, and Maven for multi-platform applications (Web, iOS, Android)
- Reduced regression testing time by 60% by converting 100+ manual test cases into reusable automated scripts with data-driven testing
- Configured and maintained Jenkins CI/CD pipelines for continuous integration and automated test execution
- Collaborated with development teams to implement shift-left testing practices, integrating automated tests into pull request workflows

### **Automation Tester | The Peer Group (Manufacturing Client), Remote | May 2019 – March 2021**

- Built automation frameworks using Java, Selenium, and BDD methodology, covering 200+ test scenarios for complex business workflows
- Reduced manual testing efforts by 70% through Jenkins-integrated automated execution and reusable test component libraries
- Executed comprehensive API testing using Postman and SoapUI, validating RESTful and SOAP web services
- Implemented cross-browser testing strategies and mobile testing on iOS and Android platforms

### **QA Analyst | Echo Exit Webcorner | 2015 – 2016**

- Executed functional, regression, and integration testing across web and mobile platforms, reducing manual testing time by 50% through automation initiatives

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## **CERTIFICATIONS**

ISTQB® Certified Tester - Foundation Level | iSQI  
AWS Certified Cloud Practitioner | Amazon Web Services  
Google Introduction to Generative AI & LLMs | Google Cloud  
MCP Servers and Automation for Testers | ShiftSync  
Version Control with Git | Atlassian

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## **EDUCATION**

**Bachelor of Engineering in Mechanical Engineering** | Graduated: June 2015  
**Post-Graduate Diploma** | Conestoga College, Ontario | 2016 – 2019

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## **PROFESSIONAL DEVELOPMENT**

**DevOps Engineering Bootcamp** (In Progress) – Hands-on expertise in cloud infrastructure (AWS), containerization (Docker/Kubernetes), CI/CD automation, and infrastructure as code (Terraform)

**AI/ML in Test Automation** – Expanding skills in GitHub Copilot for test generation, LLM-based testing strategies, and agentic AI applications for QA workflows

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## **KEY ACHIEVEMENTS**

- Improved team efficiency by 35% through process optimization and productivity tracking
- Achieved 3X test development velocity using AI-augmented testing with GitHub Copilot
- Reduced regression testing time by 60% through strategic automation framework implementation
- Led migration of 200+ test scenarios to automated frameworks, reducing manual testing by 70%
- Architected scalable CI/CD pipelines with Docker and AWS integration for continuous testing