Bibek Khatiwara

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# Professional Summary

Results-driven SDET and Test Automation Leader with over 15 years of hands-on experience in digital banking technology. Expert in developing and managing high-performance test automation frameworks across complex global environments. Skilled in setting up automation infrastructure in international locations including London and China. Advanced knowledge of Java, Python, and JavaScript; experienced in Selenium, RestAssured, Karate, Appium, and integrating AI into testing workflows. Strong command of CI/CD pipelines using Jenkins, Docker, Kubernetes, and cloud platforms (AWS, GCP).

# Core Competencies

• API & UI Test Automation • Java, Python, JavaScript • Selenium, RestAssured, Karate, Postman, Appium  
• AI in Test Automation • CI/CD (Jenkins, Git, Docker, Kubernetes) • BDD/TDD (Cucumber, Serenity)  
• Agile/Scrum Methodologies • Cloud Testing (AWS, GCP) • MongoDB, Oracle, Mainframe  
• Leadership & Mentoring • Test Strategy & Planning • Digital Banking & Payment Systems

# Professional Experience

* Senior Consultant – HSBC India (2010 – Present)

• Designed robust test automation frameworks reducing testing time by 40% and increasing coverage by 30%  
• Built scalable CI/CD pipelines using Jenkins and Docker on AWS/GCP, shortening release cycles by 30%  
• Led automation infrastructure setup and team formation in China (2017) and London (2015–2016)  
• Integrated AI-based regression test optimization and anomaly detection for critical banking services  
• Improved team efficiency by 35% through mentoring and best practices in BDD/TDD  
• Extensive domain experience in domestic/cross-border/ACH/SEPA/PSD2/real-time payments

* QA Consultant – HSBC Plc London (2015 – 2016)

• Pioneered BDD with Cucumber for improved collaboration with business stakeholders  
• Managed a team of 6 automation engineers; delivered 30% productivity uplift  
• Ensured zero critical defect leakage with risk-based testing and robust coverage

* QA Consultant – HSBC Plc Xi’an, China (2017)

• Set up mobile automation frameworks using Appium, Selenium, and Serenity BDD  
• Conducted knowledge sharing and mentoring sessions for new automation team

# Education

Bachelor in Computer Application – University of North Bengal

Master of Business Administration – Sikkim Manipal University

# Certifications

• Certified Software Test Automation Specialist (CSTAS)  
• ISTQB Certified Tester  
• AWS Certified Solutions Architect – Associate  
• Google Associate Cloud Engineer  
• Certified Java Developer  
• Certified Python Programmer

# Technical Skills

Languages: Java, Python, JavaScript  
Automation Tools: Selenium, RestAssured, Karate, Appium, Postman, Cucumber, Serenity BDD  
Databases: MongoDB, Oracle, Mainframe (AS400)  
DevOps/CI-CD: Jenkins, Git, Docker, Kubernetes, Maven, Bash Scripting  
Cloud Platforms: AWS, GCP  
Testing Practices: BDD, TDD, Agile, Scrum, API Testing, Performance Testing  
AI in Testing: Model-based testing, ML-powered test prioritization

# Additional Experience & Achievements

• Winner – HSBC Re-use & Innovation Award  
• Speaker & Attendee – Workshops on AI in Testing and DevOps Practices  
• Volunteer – ‘Let’s Code’ initiative, mentoring underprivileged students in coding