SHIVANI SHIVARKAR

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SUMMARY

Experienced Software Quality Automation Engineer with **5+** years of expertise in automation frameworks using Java, Selenium, TestNG, and JUnit. Skilled in API testing, RESTful services, CI/CD pipelines (Jenkins), and cloud technologies like AWS (Lambda, EC2, S3). Proficient in database management (MySQL, PostgreSQL), Agile methodologies, and tools like JIRA, Git, Docker, and Kubernetes. Strong in front-end and mobile testing, troubleshooting, and ensuring quality across healthcare, digital media, and enterprise domains.

TECHNICAL SKILLS

Programming Language:	C#.Net, Core Java, Python, JavaScript, Groovy, TypeScript, HTML, CSS
Databases & OS:	MySQL, MongoDB, DynamoDB, NoSQL, Apache Kafka, S3, Linux, Windows
Tools/Technologies:	Microsoft (Word, PPT, Excel), Visual Studio, WinApp Driver, WinApp recorder, Selenium, TestNG, Junit, Git, Bitbucket, GitHub, Appium, Confluence, Visual Studio Code, Eclipse, Net beans, Jenkins, Maven, TestRail, Gherkins, Cucumber, REST/SOAP UI, Postman, Docker, AWS (Lambda, S3, EC2, API Gateway), Azure, GCP

EDUCATION

Master of Science in Informatics, Northeastern University, Boston, MA
Bachelor of Engineering in Computer Science, Sinhgad Academy of Engineering, Pune, India

PROFESSIONAL EXPERIENCE

Co-op Software Test Engineer, Philips HealthCare, Cambridge   **July 2024 – Present**
- Conducted **manual and ad hoc testing** for PIICiX 5.0 and CMU 5.1, identifying and documenting issues in **Azure DevOps**
- Developed and executed **145+ test cases** (functional, regression, smoke, system, ad-hoc) using **Selenium**, increasing test coverage by **15%** and reducing manual efforts by **20%**, while mentoring new team members
- Created automated test scripts using **Cucumber** with Gherkin for **behavior-driven development (BDD)**, enhancing test accuracy
- Validated **client-server applications**, including testing **TCP/IP, DNS**, and network connectivity to ensure seamless integration
- Configured **API testing** with **Postman** for Avro data exchange in healthcare applications, ensuring compliance with **FDA, FMEA, and OWASP standards**, and improving system performance by **12%** across mobile and desktop platforms
- Built **CI/CD** pipelines in Azure DevOps, increasing development efficiency by 8% and enhancing integration reliability by **20%**

Product Software Engineer, Wolters Kluwer Pvt Ltd, Pune   **Feb 2022 – Nov 2022**
- Led the creation and execution of **100+ test cases** in **Azure DevOps**, achieving **95% test coverage** and enhancing software quality
- Designed, developed, and tested key software features, using **JIRA** for issue tracking and improving resolution efficiency by **20%**
- Automated desktop application testing with **WinApp Driver** and **C#.Net**, reducing manual testing efforts by **30%**
- Documented comprehensive test repositories, improving team productivity and ensuring release consistency
  Led the implementation of a **CI/CD pipeline** using **Jenkins**, reducing deployment time by **25%** and streamlining processes

Software Engineer - Quality, Persistent Systems, Pune   **Oct 2019 – Feb 2022**
- Designed and optimized **RESTful APIs** for document conversion and storage, improving performance with **99% reliability** for high-volume media files
- Utilized **Java**, **Spring Boot**, **REST APIs**, **MySQL**, **Git**, and **Jenkins** to implement **CI/CD pipelines**, ensuring seamless deployment and version control
- Developed and maintained a **digital media storage** and **file conversion application** using **Java** and **Spring Boot**, reducing conversion time by **20%**
- Led **end-to-end testing** for web applications, including **API testing** with **Postman**, **REST**, and **SOAP UI**, API reliability by **15%**
- Demonstrated expertise in **STLC** and **SDLC** in an **Agile environment**, improving collaboration and delivery speed
- Managed and tracked bugs using **JIRA**, **Teams Foundation Server**, and **Bitbucket**, improving issue resolution efficiency by **25%**
- Conducted cross-functional testing for web applications, ensuring system integrity and reducing defects by **10%**

Trainee, Persistent Systems, Pune   **Sept 2018-Oct 2019**
- Worked on **mobile application testing Vascomm for iOS** and **web application testing** ensuring high performance across platforms
- Collaborated in an Agile environment, actively participating in sprint planning, scrum meetings, and code reviews, while using **Git** for efficient version control and team collaboration, improving delivery timelines by **20%**

ACADEMIC PROJECTS

AWS Quiz Application for BrightMind Tutoring (AWS Amplify, S3, Lambda)   **Aug 2023 - Oct 2023**
- Creation of an assessment web application hosted on AWS cloud using AWS Amplify, AppSync, DynamoDB, S3 bucket
- Quiz Application for BrightMind Tutoring with static website hosting using S3 bucket