

QUMBAR MAQBOOL

Senior SDET | Quality Architecture & Automation Specialist

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PROFESSIONAL SUMMARY

Senior Software Development Engineer in Test (SDET) with 4+ years of experience architecting and implementing robust end-to-end test automation frameworks across UI, API, and backend layers. Deep expertise in Java 17, Playwright, and Cucumber BDD, with a strong foundation in MERN Stack development that enables white-box testing, unit and integration test contributions, and highly reliable test solution design. Proven track record of integrating automated suites into CI/CD pipelines (Jenkins, Bitbucket), reducing manual QA effort, and improving release confidence in Agile environments. Committed to reducing technical debt and delivering quality software across the full SDLC.

CORE COMPETENCIES

Test Automation • End-to-End Testing • API Testing • Performance Testing • BDD/TDD • CI/CD Integration • Backend & Data Integrity Testing • Agile Scrum • Test Strategy & Architecture • White-Box Testing • Cross-Browser Testing • Web Security Testing

TECHNICAL SKILLS

Automation & QA: Java 17, Playwright, Cucumber (BDD), JUnit 5, Gradle, SDET, Selenium (concept), REST API Testing, SQL-based Backend Testing

Frontend: React.js, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Bootstrap 5, Tailwind CSS

Backend & Databases: Node.js, Express.js, MongoDB, PostgreSQL, RESTful APIs, GraphQL, JSON, YAML

DevOps & Tools: Git, GitHub, Bitbucket, Jenkins, GitHub Actions, CI/CD Pipelines, AWS S3, AWS Step Functions, Jira

Soft Skills: Agile Scrum, Test Strategy, Cross-Team Collaboration, Problem Solving, Acceptance Criteria Definition

PROFESSIONAL EXPERIENCE

Transportal | SDET

Jan 2025 – Present

Stack: Java 17 | Playwright | Cucumber BDD | JUnit 5 | PostgreSQL | Gradle | Bitbucket | Jenkins | REST APIs | Agile

- Took ownership of and significantly expanded an end-to-end test automation framework built on Java 17, Playwright, and Cucumber BDD, improving scalability, maintainability, and regression coverage across UI, API, and backend layers.
- Designed and implemented advanced BDD-driven test scenarios covering complex UI workflows, RESTful API validation, and critical business logic, resulting in higher defect detection rates prior to production.
- Performed backend and data integrity testing by authoring advanced SQL queries to validate data transformations and application state directly in PostgreSQL, ensuring accurate and reliable data pipelines.
- Integrated automated test suites into Bitbucket Pipelines and Jenkins CI/CD workflows, enabling automated regression execution on every build and significantly reducing manual QA effort and release cycle time.

- Collaborated with developers and product owners in Agile Scrum ceremonies to define acceptance criteria, refine user stories, and improve test coverage across all phases of the SDLC.

Bluemeg | Software Engineer in Test

2023 – 2025

Stack: React.js | Node.js | Playwright | AWS S3 | AWS Step Functions | REST APIs | JavaScript ES6+ | YAML | Git | CI/CD

- Spearheaded UI automation initiatives using Playwright, delivering high application quality and broad test coverage for critical user flows, including regression and smoke test suites.
- Built and maintained high-performance full-stack features using React.js and Node.js, applying software development best practices and enabling white-box testing with direct code-level insight.
- Collaborated with cross-functional teams to implement, validate, and ensure quality of RESTful APIs, including contract testing and response schema validation.
- Leveraged AWS services (S3 and Step Functions / State Machines) for storage, processing, debugging, and production monitoring, contributing to reliable deployment pipelines.
- Managed version control with Git and followed CI/CD workflows to deliver quality-assured deployments consistently across multiple release cycles.

Versatile Advertisers | E-Commerce Developer

2022 – 2023

Stack: Shopify | WordPress | Liquid | HTML5 | CSS3 | JavaScript ES6+ | SEO Optimization

- Developed and rigorously tested custom Shopify and WordPress themes, ensuring high quality, responsiveness, and cross-browser compatibility across desktop and mobile devices.
- Executed performance testing and implemented SEO best practices to optimize page load speed, directly improving core web vitals and key user experience quality metrics.
- Integrated custom code with a focus on reliability, security, and clean implementation to minimize bugs, reduce technical debt, and ensure stable production deployments.
- Collaborated with design and marketing teams as the primary technical quality contact, conducting pre-deployment quality checks and ensuring consistent delivery standards.

EVS Professional Training Institute | Full-Stack Developer Intern

2021 – 2022

Stack: MongoDB | Express.js | React.js | Node.js | REST APIs | JavaScript ES6+ | HTML/CSS | Git

- Gained a strong technical foundation in MERN stack software architecture, API development, and component-level testing through an intensive hands-on development program.
- Developed and documented RESTful APIs, building deep understanding of API structure, request/response cycles, and validation — skills directly applied to API test automation.
- Practiced clean coding standards and utilized internal tools for unit and integration testing of React components and Node.js backend services, reinforcing quality-first development habits.
- Designed and implemented full-stack features from database schema (MongoDB) through backend logic (Express.js/Node.js) to frontend UI (React.js), managing complete feature lifecycles.

EDUCATION

Bachelor of Science – Cyber Security (Major: Computer Science)

2024

Superior University, Lahore, Pakistan

MERN Stack Web Development Certification

2021

EVS Professional Training Institute, Lahore, Pakistan

KEY ACHIEVEMENTS

- Maintained and scaled automation frameworks at multiple organizations, enhancing test architecture standards and enabling CI/CD-integrated regression pipelines.

- Reduced manual QA effort and regression cycle time through end-to-end automated suites integrated into Jenkins and Bitbucket CI/CD pipelines.
- Contributed to both QA and engineering functions by leveraging full-stack development expertise for white-box testing and unit/integration test coverage.
- Delivered cross-functional collaboration across Agile teams, bridging the gap between developers, QA engineers, and product owners to define clear acceptance criteria.