POOJA LOHANI

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https://github.com/pooja02082020 **Portfolio:** https://pooja02082020.github.io/pooja-portfolio/

SUMMARY

Results-driven Software Developer & SDET with strong proficiency in Java, React, Automation Testing, and Cloud technologies. Experienced in building scalable full-stack applications, designing automation frameworks, and improving software quality through rigorous testing and CI/CD practices. Adept at solving complex problems, optimizing performance, and collaborating within Agile teams. Seeking a role where I can contribute to high-impact products by applying my expertise in full-stack development, test automation, and cloud-based systems.

TECHNICAL SKILLS

Programming Languages	Java, JavaScript, TypeScript, Python, SQL
Frontend	React.js, HTML5, CSS3, Bootstrap, Styled Components, Responsive Design
Backend & Databases	Node.js, Express.js, MongoDB, MySQL, SQL Server, REST API Development, Microservices
Automation & Testing	Selenium WebDriver, TestNG, JUnit, REST Assured, Postman, Cypress (UI/API), Playwright, Jest, React Testing Library, BDD with Cucumber, Automation Frameworks (POM, Hybrid, Data-Driven), API Testing & Validation, AI-powered test optimization (recommended)
DevOps, CI/CD & Cloud	Jenkins, Git, GitHub, GitHub Actions, Maven, Docker, AWS (EC2, S3, Lambda, CloudWatch), Build & Release Automation, Code Quality Tools (ESLint, Prettier, SonarLint)
Concepts & Tools	OOP, Collections, Multithreading, JDBC, Agile/Scrum, Jira, Confluence, VS Code, Eclipse, IntelliJ

EDUCATION

Post Graduate Diploma – Full Stack Software Development
Lambton College, North York, ON, Canada
Bachelor of Computer Engineering | Khwopa Engineering College, Bhaktapur, Nepal

CERTIFICATIONS

AWS Certified Cloud Practitioner | Oct 2025 – Oct 2028
ISTQB Certified Tester – Foundation Level | April 2022
SAFe for Teams | July 2021 – Aug 2022

EXPERIENCE

Full Stack Developer | *Comcast (Remote)*   **March 2025 – Present**
Responsibilities:

➢ Developed and optimized **8+ high-performance React components** using code-splitting, lazy loading, and memoization—improving UI load time by **30%**.
➢ Built scalable UI architecture with **React + TypeScript + Styled Components**, reducing duplicate code across modules by **40%**.
➢ Designed and maintained **REST APIs** using Node.js & Express, improving data retrieval efficiency by **25%**.
➢ Participated in **system design discussions**, influencing UI–API interface contracts and reusable component architecture.
➢ Implemented **unit, integration, and UI tests** (Jest, React Testing Library), increasing FE test coverage significantly.
➢ Ensured robust CI/CD by integrating **automated build checks**, linting (ESLint + Prettier), and GitHub Actions workflows.
➢ Resolved **15–20 production-level bugs per sprint** through proactive code reviews and debugging.
➢ Collaborated in **Agile sprints** with PO, QA, and backend teams to deliver 100% of planned sprint items.

Environment: React.js, TypeScript, Styled Components, Node.js, Express.js, REST APIs, MongoDB, GitHub Actions, Jest, React Testing Library, AWS, Agile, Jira

SDET (Software Development Engineer in Test) | *Cotiviti*   *August 2021 - March 2023*
Responsibilities:

➢ Designed & enhanced **UI & API automation frameworks** using Java, Selenium, TestNG, and REST Assured—raising automation coverage from **45% → 85%**.
➢ Implemented **data-driven and hybrid automation frameworks**, increasing defect detection rate by **35%**.
➢ Optimized locators, synchronization waits, and retry logic to eliminate flakiness—reducing regression cycle time by **40%**.
➢ Performed validation of **REST APIs**, backend logic, and healthcare reimbursement calculations with **100% accuracy**.
➢ Integrated automation suites into **Jenkins CI/CD**, reducing manual QA time by **50+ hours per release**.
➢ Logged, tracked, and collaborated on defects with developers for fast turnaround.
➢ Mentored junior SDETs on framework design, debugging, TestNG annotations, and automation best practices.
➢ Participated in refinement, sprint planning, and release discussions to improve requirement clarity and testability.
➢ annotations.

Environment: Java, Selenium WebDriver, TestNG, REST Assured, SQL Server, Maven, Jenkins, Postman, Cucumber (BDD), Git, Agile

Associate SDET | *Cotiviti*   *December 2018 - August 2021*
Responsibilities:

➢ Developed automation scripts using Java, Selenium, TestNG, and POM design patterns.
➢ Executed test cases, logged detailed defects, and ensured end-to-end validation for healthcare modules.
➢ Performed SQL queries for backend data validation and data integrity verification.
➢ Maintained locator strategies and resolved flaky tests to stabilize early automation builds.
➢ Gained experience in CI/CD, API testing, and foundational automation architecture.

Environment: Java, Selenium WebDriver, TestNG, SQL Server, Jenkins, Git, Eclipse

Notable Projects

Personal Portfolio Website | (October 2025 – Present)
Environment: VS Code, GitHub Pages, HTML, CSS, JavaScript
Technologies: HTML5, CSS3, JavaScript, Responsive Design
Responsibilities & Highlights:

* Designed and developed a fully responsive personal portfolio website.
* Created reusable UI components and optimized images/CSS for performance.
* Integrated analytics and SEO enhancements for higher visibility.
* Hosted on GitHub Pages for fast, continuous updates.

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ICAPMOT Research Website Enhancements – Seed NanoTech | (August 2024 – December 2024)
Environment: VS Code, XAMPP, MySQL, Git
Technologies: HTML, CSS, JavaScript, MySQL
Detailed Responsibilities:

* Developed interactive **JavaScript-based scientific visualization modules**.
* Improved MySQL query optimization, resulting in **20% faster data retrieval**.
* Enhanced page rendering speed by **30%** using DOM optimization and asset compression.
* Collaborated with researchers to deploy workflow & UI improvements for scientific studies.

Batch Report Creator – Cotiviti | (November 2021 – November 2022)
Environment: Eclipse, Jenkins, SQL Server, Git, Windows 10
Technologies: Java, Selenium WebDriver, TestNG, Maven, Page Object Model (POM), REST Assured, SQL
Detailed Responsibilities:

* Automated healthcare batch report validation using **Java, Selenium, TestNG, and SQL**.
* Added REST Assured API test coverage to validate report consistency across systems.
* Utilized **POM architecture** and data-driven testing for modular and scalable scripts.
* Reduced manual QA effort by **60+ hours per cycle** and improved data accuracy to **98%**.
* Configured Jenkins pipelines for automated regression runs and report distribution.