

**MAHENDRA PRATAP SINGH****Contact No.:** +64-291276673**E-Mail:** mpratap.singh@gmail.com [LinkedIn](#) [My-Online-Resume](#)

CAREER OVERVIEW

- Seasoned Testing Professional with over **20 years** of experience in Software Testing, Test Automation, and Application Development, Program Management, Client & Stakeholder Management
- Over **16 years** of demonstrated expertise in **test automation strategy, design & implementation of automation frameworks**, and leadership of the **Automation Centre of Excellence Team** for
 - Web Applications** using **Playwright, Cypress, React Testing Library, Jest, Selenium, Cucumber, TestNG**
 - Mobile Applications** using **XCUITest, Espresso, Seetest, Appium**
 - API** using **Postman, Supertest, REST Assured, Spring Framework, SoapUI, Insomnia**
 - DevOps & Cloud** using **Jenkins, Git, GitHub Actions, AWS**
 - Desktop applications** using **UFT (formerly QTP), WinRunner**
 - Automation Utilities** using **VB.NET** for database and web services testing
 - Personal Learning (Git repos)**
 - [My-Online-Resume](#)
 - [API testing using Supertest Jest and chai](#)
 - [Mobile App testing using Appium Maven TestNG](#)
- Over 6 years of rich experience in managing Agile and Waterfall projects, fostering client relationships, driving strategic initiatives, and leading high-performing teams
- Strong background in **Agile methodologies, SAFe Agile**
- Broad expertise in multiple domains like **Banking (Digital Technology, Web & Mobile Apps, Payments & Cards, Retail Tools), Land information Management, Health Insurance, and Telecom**

PUBLICATIONS & WEBINARS

- Presented Webinar "**UFT vs Selenium: Which is better for Your Mobile Testing Strategy?**" on 25 Feb 2015 alongside **Guy Arieli (CTO, Experitest)**. The worldwide webcast attracted over 1000 participants, showcasing expertise in mobile testing strategies

CERTIFICATIONS

- Experitest Seetest Certified Professional, License 201406231849**

DOMAIN & TECHNICAL SKILLS

Domains	
Banking	Digital & Apps, Cards & Switching, Retail Tools

Land information Management	Land Title Records, Instruments and Dealings
Health Insurance	Membership & Eligibility, Claims and EDI 837 Inbound & Outbound, 5010 Transactions and Inbound & Outbound interfaces, Extensions
Telecom	Billing, Ensemble

Technical Skills	
Mobile Application Automation Tools	XCUITest, Espresso, Appium Experitest Seetest Automation Tool, Experitest Appium Studio
Web Application Automation Tools	Playwright, Cypress, React Testing Library, Selenium Webdriver, Selenium Basic (Selenium plugin for excel macro)
API Testing Automation Tools	REST Assured, Postman, Insomnia Spring Boot, Supertest, SoapUI
DevOps & Cloud	Jenkins, GitHub Actions, AWS, AWS Cli, Docker, Linux, Firebase
Testing Frameworks	TestNG, Junit, Jest, Mocha, Chai, Cucumber, Concordian
Programming Languages	TypeScript, JavaScript, Java, Swift, Kotlin, VB.NET/C#, C/C++, VBScript, TSL (for win runner)
Version Control Tools	Git, GitHub, GitLab, Stash, BitBucket, Win CVS, Tortoise SVN
Defect Tracking Tools	JIRA, ALM/QC/Test Director, Change Synergy
iOS Mobile Development	UIKit, SwiftUI, Combine framework
Front-End Development	React, React Hook Form
Back-End Development	Spring Framework, Open Api Spec
Desktop Application Automation Tools	UFT 11.0, Quick Test Pro 9+, Win-Runner
Whiteboard & Documenting	Confluence, Miro, InVision
Databases	Informix, AWS DynamoDB, Oracle
Content Management	VBIS, Vignette CMS, Adobe Analytics

AWARDS & ACHIEVEMENTS

United Health Group Information Services Pvt. Ltd., Gurgaon

- Received Sustaining Edge Award in 2012 for implementing the utilities and OATS in multiple projects and generating savings of \$0.5 million
- Received Make IT Happen Award in 2011 for developing EDI file to database comparison utilities
- Received Spot Award in 2010 for developing the Test Execution Reporting tool

- Received Spot Award in 2009 for developing first of its kind Application independent Automation Framework using QTP and VB.NET GUI

Sapient Corporation, Gurgaon

- Rock Star Award in 2009 for developing an automated report generation system that reduced report generation effort by 75%

TRAINING

- Adobe Analytics
- Certified associate in project management
- Developing your teams and Managed Aspiration
- United Managers Program
- Certified Orthogonal Array Testing Strategy (OATS) Level 1 & 2

SCHOLASTICS

- **Bachelor of Technology in Computer Science & Engineering** from Dr. A.P.J. Abdul Kalam Technical University, 2004

ATTAINMENTS

- Selected for Naval Academy through Union Public Service Commission's All India National Defense Academy & Naval Academy entrance exam followed by Services Selection Board (SSB) interview (1998)

ORGANISATIONAL EXPERIENCE

November'22-Till Date as Senior Test Automation Engineer (Contract) with Land Information New Zealand (LINZ), Wellington, New Zealand

- Front-End Development and Testing using React and React Testing Library with TypeScript, ensuring high-quality and robust user interfaces
- Back-End Development and Testing with Spring Framework and Kotlin, delivering reliable and scalable backend solutions
- Performed End-to-End Testing using Playwright and TypeScript for comprehensive application validation
- CI/CD pipelines and version control with Git, GitHub, GitHub Actions, Docker & AWS
- Followed SAFe Agile and used tools like JIRA, Confluence, Miro, InVision

July'22-November'22 as Senior Test Automation Engineer (Contract) with New Zealand Customs Service, Wellington, New Zealand

- Developed and maintained automation frameworks and scripts using Cypress with Typescript for comprehensive testing
- Utilising REST Assured developed a Java-based command-line tool for bulk API data creation, enhancing data management efficiency
- CI/CD pipelines and version control with Git, GitLab, Jenkins
- Followed SAFe Agile and used tools like JIRA, Confluence, Miro

December'21-July'22 as Senior Test Automation Engineer (Contract) with Bank of New Zealand Limited, Wellington, New Zealand

- Development and maintenance of Automation Framework and scripts for API testing using Typescript, Jest, Supertest, AWS SDK, AWS DynamoDB, and Postman
- Version control using Git, BitBucket, Stash
- CI/CD pipeline setup in Jenkins
- Followed SAFe Agile and used tools like JIRA, Confluence, Miro

April'21-December'21 as Senior Test Automation Engineer (Contract) with Land Information New Zealand (LINZ), Wellington, New Zealand

- Testing React components using React Testing Library with TypeScript
- End-to-End Testing using Playwright, TypeScript
- Spring Framework with Kotlin for API testing
- Version control using Git & GitHub
- CI/CD pipeline in Jenkins
- Agile & Design Tools JIRA, Confluence, Miro, InVision

August'19-April'21 as Senior Test Automation Engineer (Contract) with Bank of New Zealand Limited, Wellington, New Zealand

- Development and maintenance of Automation Framework and scripts using
 - XCode, XCUITest using Swift for iOS Mobile App
 - Android Studio, Espresso using Kotlin for Android Mobile App
 - Postman, Jest, and Supertest for API testing
 - Selenium Webdriver and Cypress for web application
- Version control using Git, BitBucket, Stash
- CI/CD pipeline setup in Jenkins
- Followed SAFe Agile and used tools like JIRA, Confluence, Miro
- Agile & Design Tools JIRA, Confluence, Miro, InVision
- iOS Development using UIKit, SwiftUI, and Combine Framework

October'17-August'19 as Senior Test Automation Engineer (Contract) with Westpac New Zealand Limited, Wellington, New Zealand

- Development and maintenance of Automation framework and scripts using
 - Java, Appium, Selenium Webdriver, Cucumber, TestNG
 - Seetest Automation Studio, Seetest Appium Studio
 - XCUITest, Swift, XCode
- Version control using Git, BitBucket, Stash
- CI/CD pipeline in Jenkins
- SAFe Agile & Design Tools JIRA, Confluence, InVision

June'15-October'17 as Manager with Capgemini Australia Pty Limited, Wellington, New Zealand

- Business & Technology Test Manager at ANZ Bank, overseeing comprehensive testing strategies
 - Designed and developed a custom VB.NET-based web services data extraction and comparison tool, resulting in a 30% reduction in testing time
 - Automated web application testing using Selenium Basic (Selenium plugin for Excel Macro)
 - Effectively Managed client relationships, ensuring the successful delivery of projects and maintaining high levels of customer satisfaction
 - Led and managed multiple Agile and Waterfall projects from initiation to successful completion
 - Managed the UPI Cards program and STP Loans program from inception through to go-live
 - Authored and executed production deployment plans and conducted thorough post-implementation verification
- Oversaw performance appraisals, identified training needs, set goals, and developed high-performance teams, fostering growth and achievement

September'14-June'15 as Project Manager with Tech Mahindra Ltd., Wellington, New Zealand

- Project Manager for Westpac Bank, leading critical initiatives and driving project success

- Spearheaded the development and implementation of enterprise-wide automation strategies for mobile application, achieving a 40% reduction in testing time and a 40% increase in test coverage
- Successfully managed client relationships, consistently delivering projects on time and exceeding customer satisfaction goals

June'14-September'14 as Manager Testing with Tech Mahindra Ltd., Noida, India

- Led multiple client engagements and projects, ensuring successful delivery and client satisfaction
- Managed the response process for RFPs and RFIs, showcasing tailored automation solutions and technical designs to potential clients
- Designed and presented advanced automation solutions for mobile applications, demonstrating technical expertise and innovation
- Directed the Mobile Application Test Automation Competency team, driving excellence in automation practices
- Conducted feasibility analysis, effort estimation, cost-benefit analysis, ROI assessments, and proof of concepts (POCs) to guide project decisions
- Oversaw performance appraisals, identified training needs, set goals, and developed high-performance teams, fostering growth and achievement

January'10-June'14 as IT Quality Consultant (Project Lead) with United Health Group, Gurgaon, India

- Led feasibility analysis and the design of automation solutions, including proof of concepts (POCs), ensuring alignment with project goals and client expectations
- Designed and developed VB.NET-based utilities for HIPAA EDI file to database comparison, enhancing data integrity and compliance
- Performed detailed automation effort estimation, cost-benefit analysis, and ROI assessments to optimize resource allocation and project outcomes
- Presented and demonstrated tailored automation solutions and technical designs to clients, effectively communicating value propositions and technical expertise
- Managed multiple complex projects within a matrix organization, ensuring seamless coordination and delivery across cross-functional teams
- Directed performance appraisals, identified training needs, set strategic goals, and cultivated high-performance teams to achieve organizational excellence
- Managed internal and external stakeholder relationships, providing transparent reporting and maintaining alignment with project objectives

September'09-January'10 as Senior Associate QA L1 with Sapient Corporation, Gurgaon, India

- Conducted comprehensive analysis of project management reports, leading to actionable insights and enhanced decision-making
- Designed and developed an automated report generation system, streamlining the reporting process and improving efficiency
- Achieved a 75% reduction in report generation effort, significantly decreasing manual effort and error rates

May'08-September'09 as Senior Test Engineer with United Health Group, Gurgaon, India

- Designed and developed a Three-Tier Architecture-based automation framework, comprising a Front-End UI in VB.NET, a Middle Layer Database for scenario data and object information, and a Back-End automation framework using QTP

- Created a user-friendly Front-End UI in VB.NET for managing automation scenarios, ensuring seamless interaction and ease of use
- Implemented and integrated the automation framework across multiple projects, including facilitating demos and presentations to stakeholders

June'05-April'08 as Associate QA L2 with Sapient Corporation, Gurgaon, India

- Designed and developed a QTP-based keyword-driven automation framework for web applications, enhancing test efficiency and accuracy
- Demonstrated the automation framework to external clients, showcasing its capabilities and benefits, and implemented it across multiple projects
- Mentored and managed team members, providing guidance and support, and prepared detailed client reports to communicate progress and outcomes effectively