KANNAN MUTHU MANICKAM
HYBRID SOFTWARE ENGINEER
Ⓝ Mid - Web App Developer &
Full Stack - Automation Tester

📍 Birmingham, England, UK
📱 +44 075030 44414
📧 mkannan007@outlook.com

🌐 https://mkannan007.uk/
in https://linkedin.com/in/mkannan007
 https://github.com/mkannan007

👤 ABOUT ME

Strategic Software Engineer with 12+ years of experience, pivoting into hybrid Web application development using (React JS & Next JS) with expertise in test automation skills using TypeScript, and CI/CD integration workflows, with a strong track record in agile delivery with high-quality solutions.

🛠️ CORE TECHNICAL SKILLS

- **Front-End**: React JS, Next JS, Tailwind CSS, Figma (Basics)
- **Automation**: Playwright, WebDriver IO, Cypress, Vitest (RTL)
- **Languages**: TypeScript, JavaScript
- **CI/CD**: GitLab, GitHub Actions, Azure DevOps
- **API**: Rest-API, Axios, Postman
- **Databases**: MongoDB, SQL Server (Basics)
- **Cloud & Containers**: AWS, Azure & Docker (Basics)

🤖 AI TOOLS
- GitHub Copilot
- AWS Q Developer

📰 DOCUMENT TOOLS
- Jira
- Confluence
- X-Ray

🎓 EDUCATION
- **MCA** – Hindustan University, Chennai
- **BSc** Mathematics – University of Madras

🏅 CERTIFICATION
- **ISTQB** Certified Tester – Foundation Level

🏢 WORK EXPERIENCE

BRITISH TELECOM GROUP PLC 👨‍💻 *Software Engineer Hybrid (React Dev & Test Automation)*	📍 Birmingham & London, UK 📅 Sep 2024 – Present	💼 Permanent
MATCHES FASHION LTD 👨‍💻 *Senior Test Automation Engineer*	📍 London, UK 📅 Mar 2020 – Mar 2024	💼 Permanent
PUBLICIS SAPIENT LTD 👨‍💻 *Test Automation Specialist*	📍 London & Swindon, UK 📅 Jan 2019 – Feb 2020	💼 Contract
RENAULT NISSAN TECH 👨‍💻 *Senior Engineer*	📍 Chennai, India 📅 Oct 2017 – Sep 2018	💼 Permanent
SQS INDIA BFSI LTD 👨‍💻 *Test Automation Engineer*	📍 London, UK & Chennai 📅 Jan 2014 – Oct 2017	💼 Permanent

👷 CLIENTS AND SERVICES

BRITISH TELECOM GROUP PLC 📍 Birmingham & London, UK
🚀 Project: 🔬 Built React reusable components and automated the tests – web design system.

MATCHES FASHION LTD, UK 📍 London, UK
🚀 Project: 🛍️ Led test automation for e-commerce and internal business lifecycle applications.

NATIONWIDE BUILDING SOCIETY 📍 Swindon, UK (via Publicis Sapient)
🚀 Project: 💳 Delivered Test Automated services for credit card workflows application.

RENAULT 📍 Paris, France (via Renault Nissan Tech)
🚀 Project: 🚚 Delivered Automation testing services for vehicle fleet logistics application.

HISCOX 📍 London, UK (via SQS BFSI Ltd)
🚀 Project: 🛡️ Delivered Automation testing services for Home and Business Insurance platforms.

📁 BUSINESS DOMAINS
- 📡 Telecom
- 🛒 E-Commerce
- 💰 Banking
- 🚚 Logistics
- 🛡️ Insurance

👨‍💼 RESPONSIBILITIES HANDLED AND TECHNICAL CONTRIBUTIONS

🧱 Front-End Development
- ✅ Built reusable React components to develop the production ready pages quickly and resolved UI bugs for performance and maintainability.
- ✅ Boosted unit test coverage using Jest and React Testing Library.
- ✅ Publish and maintain NPM packages with reusable functions.

🧪 Test Automation
- ✅ Developed full-stack automation frameworks (UI/API/mobile) using Playwright, Cypress, WebDriver IO, Appium, and TypeScript.
- ✅ Authored E2E and BDD-Cucumber, Mocha based tests using JavaScript, TypeScript. Also experienced in Java and C# based tests
- ✅ Enhanced UI testability with data-test-id; executed API and cross-platform tests via Postman, Browser Stack, and Sauce Labs.

🐞 Defect Management
- ✅ Logged & triaged defects using JIRA in collaboration with Agile teams till the closure and help in fixing the frontend bugs.

🔁 CI/CD & monitoring
- ✅ Automated pipelines with GitLab, GitHub Actions, and Azure.
- ✅ Monitored test health via Jenkins, cron jobs, and remote suites.
- ✅ Designed modular, scalable test suites with clean code practices.

🚀 Agile Collaboration
- ✅ Actively participant in 3-Amigos and contributed to Scrum ceremonies, demos, and iterative feedback loops.
- ✅ Mentored junior engineers and evaluated emerging tools via guilds.

📁 Documentation
- ✅ Create and maintain JIRA dashboards for tracking purposes.
- ✅ Maintained e2e regression-based test cases and data in X-Ray.
- ✅ Updated and documented the new project strategies, reports, initiatives and best practices in Confluence.