








THARUN TEJA PEDDI

Personal

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-  **Email**
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-  **Date of birth**
10-08-1990
-  **Gender**
Male
-  **Nationality**
Indian
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Languages

- Telugu
- English
- Hindi

- **13+ years of Experience** in test automation across **Web, Mobile, and API** platforms.
- **3+ years of Leadership** in agile product teams; served as **Scrum Master** in Agile/SAFe environments.
- Proficient in **Java, Python, Spring Boot** and **AWS Cloud** for scalable backend development and deployments.
- Expertise in **Agentic AI** using **LangChain, LangGraph, AutoGen, RAG, MCP and N8N** for intelligent agent workflow creation.
- Hands-on with automation tools: **Selenium, Playwright, Appium and Rest Assured**.
- Skilled in **CI/CD** integration using **AWS Code Pipeline, Jenkins**, and build tools **Maven, Gradle**.
- Experienced in **BDD frameworks: Cucumber, Karate, JBehave, Serenity**.
- Strong experience in **Performance testing with JMeter** for high-load and stress testing.
- Developed and executed test strategies covering **functional, performance, and security testing**.
- Familiar with tools like **Jira, TestLink**, and security testing for **CSRF, SQL injection**, and **domain blocking**.
- Solid foundation in **data structures** and **problem-solving**, enabling efficient debugging and test optimization.

Work experience

Senior Test Engineer

Jul 2021 - Present

Singtel, Singapore

- Led and mentored a team of automation engineers, fostering continuous skill development and career growth.
- Designed and executed scalable test automation strategies and QA processes across multiple agile squads.
- Established and enforced coding standards and best practices; conducted regular code reviews to ensure high-quality deliverables.
- Actively participated in test planning and contributed to the formulation of comprehensive and effective test strategies.
- **Implemented agentic AI** workflows across departments to automate repetitive tasks, improve decision-making, and boost overall productivity.
- Diagnosed and resolved bugs efficiently; developed robust backend APIs to enhance system functionality and reliability.
- Migrated **Selenium-based automation test suites to Playwright**, improving test performance and maintainability.

Senior Test Automation Engineer

Jun 2019 - Jul 2021

Optimum Solutions, Singapore

- Designed and implemented robust automation frameworks to handle the complexities of banking applications.
- Automated Android and iOS mobile applications to ensure seamless functionality across platforms.

Senior Quality Engineer

Dec 2018 - May 2019

RedMart Ltd, Singapore

Led the automation of the product availability lead time module in the Lazada standalone application, enhancing accuracy and efficiency in inventory management.

Principal Engineer, QA

Feb 2018 - Dec 2018

Pramati Technologies, Hyderabad

- Automated high-performance asynchronous API testing using Serenity, Spring Boot, and Kafka to ensure seamless inter-system communication.
- Configured and maintained CI/CD pipelines for testing across all stages of environments by ensuring seamless integration and continuous delivery

Senior Software Engineer in Test

Mar 2017 - Feb 2018

EPAM Systems, Hyderabad

- Developed and implemented automation frameworks for both web and Windows

- components to improve test coverage and efficiency.
- Contributed new tests focusing on complex hybrid scenarios to enhance test case diversity and coverage.

Software Engineer in Test

Dec 2014 - Mar 2017

Hyderabad

- Automated internal tools for both mobile and web platforms to enhance efficiency and reliability.
- Conducted performance testing for internal APIs to ensure optimal responsiveness and scalability.
- Designed and implemented continuous integration and delivery (CI/CD) pipelines using Jenkins for streamlined deployments.

Product Dev Tester

Apr 2012 - Dec 2014

Kony Inc, Hyderabad

- Automated E2E testing of web-based applications using Selenium.
- Streamlined testing for Android and iOS applications using Appium.
- Conducted thorough functional testing to ensure the timely delivery of in-sprint features.

Education and Qualifications

Bachelor of Technology in IT (B.Tech)

Oct 2007 - May 2011

Jawaharlal Nehru Technological University, Hyderabad

Distinction in Grade with 77%

Skills

Java	<div><div></div><div></div><div></div><div></div><div></div></div>
Python	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Playwright	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Selenium	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Appium	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
API Automation	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Performance Testing	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Cucumber	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
JBehave	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Serenity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
AutoGen	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
LangGraph	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
LangChain	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Retrieval-Augmented Generation (RAG)	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Spring boot	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
MySql	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
JIRA	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
CI/CD	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
AWS	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Functional Testing	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>

Achievements

- Leading 5G Industry Transformation - National University Singapore
- AWS Certified Cloud Practitioner

Courses

Agentic AI And Generative AI Application With Cloud Bootcamp Jan 2025 - Present

- Developed agentic AI workflows using LangChain and LangGraph.
- Built and coordinated multi-agent systems leveraging models like OpenAI, Grok, and Deepseek.
- Implemented monitoring solutions with LangSmith.
- Delivered projects utilizing Microsoft Autogen and Retrieval-Augmented Generation (RAG) techniques.
- Demonstrated expertise through hands-on projects hosted on GitHub:
github.com/tharunteja2009/autogen-project