

## Ram Pullabhotla

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### SUMMARY

Senior Software Engineer with 10+ years of experience building scalable automation and quality solutions for cloud-native systems. Expert in JavaScript, TypeScript, Python, and Java, with proven success integrating testing and reliability strategies into CI/CD pipelines. Strong background in Agile methodologies (BDD, TDD, ATDD) and AWS cloud services (EC2, S3, Lambda, EKS), delivering high-quality solutions for distributed platforms serving millions of users.

### WORK EXPERIENCE

**System Development Engineer II** December 2025 – Present

**Amazon**, Austin TX

*Cline, Kiro AI, Playwright, AWS, TypeScript, Cypress, Hydra, Lugia API, Mozart's RPA, Python, Jenkins, CI/CD, Microservices*

- Architected and scaled automation and quality solutions for cloud-native microservices serving millions of users across multiple AWS regions.
- Integrated AI-powered testing solutions using Kiro AI and Cline, accelerating defect detection by ~20% and improving overall system reliability.
- Provided technical leadership for automation and quality initiatives across distributed services.

**Lead Software QA Engineer II**

May 2022 – December 2025

**Amazon**, Austin, TX

- Built TypeScript and Python automation frameworks that reduced regression test execution time by ~40%.
- Designed and implemented automated test coverage for microservices, improving team productivity by 25%.
- Owned and Led end-to-end CI/CD quality and automation pipelines using Jenkins across global markets.
- Developed and executed device level end-to-end functional and performance testing for Fire TV OS across multiple regions.

**Senior Software Test Engineer**

December 2019 - May 2022

**Visa USA, Inc.** Austin, TX

*C#, Microsoft Dynamics, Easy Repro, Java, Azure DevOps, Rest Assured, JIRA, SQL*

- Experience from FinTech/Financial Services background with payment processing systems.
- Led QA strategy for enterprise CRM migration processing payment transactions with zero production defects.
- Built CI/CD integration using Azure DevOps, enabling continuous deployment for financial services applications.
- Designed automated test suites implementing BDD practices, reducing regression cycle time by 35%.
- Created process automation workflows reducing manual testing effort by 15% while maintaining compliance.

**Software Development Engineer in Test II**

February 2019 - November 2019

**Change Healthcare**, Nashville, TN; (via Innova Solutions Inc.)

*Serenity BDD, Java, Selenium, Rest APIs, AWS, Postman, JUnit, Jenkins, SQL, JIRA, Neo Load, Microservices*

- Optimized test automation architecture reducing overall testing time by 30% through Serenity BDD framework implementation.
- Built scalable test frameworks for Java Spring Boot microservices on AWS cloud infrastructure.
- Managed offshore testing teams delivering functional and regression testing for healthcare applications.
- Integrated automated testing into Jenkins CI/CD pipelines supporting continuous delivery.

**Application Administrator - Graduate Assistant**

November 2017 – November 2018

**ITech, The University of Southern Mississippi**, Hattiesburg, MS

*AWS, Modo labs framework, Google Analytics, Android API, IOS certificates, Alexa skills, Node.js*

- Developed Alexa skills using AWS and Node.js, increasing university app engagement by 33%.
- Enhanced mobile application features improving user experience and campus navigation systems.
- Solved the navigation issues by mapping and updating the campus maps using Google Earth.

**Software Development Engineer in Test (Associate Consultant)**

August 2016 – June 2017

**T-Mobile**, Bangalore, India; (via Capgemini, India)

*Selenium, Java, SOAP UI, TestNG, Maven, Jenkins, SQL, log4j, Postman*

- Led 3-person automation team by assigning and prioritizing the tasks.
- Reduced the test cycle time by 50% through comprehensive web application automation.

- Implemented batch test execution using TestNG and Maven, improving defect identification accuracy.
- Designed reusable test frameworks with Page Factory pattern for scalable E2E testing.

**QA Automation Engineer (Associate Consultant)**

January 2016 – July 2016

**Thomson Reuters**, Bangalore, India; (via Capgemini, India)*Protractor, Node.js, TestNG, Jasmine, JMeter, Angular, Performance Testing*

- Automated performance testing processes saving 8 hours per testing cycle through efficient evaluation workflows.
- Built Angular application test suites using Protractor and Node.js for comprehensive functional coverage.
- Implemented performance optimization using JMeter, delivering actionable metrics for web application improvements.

**Test Automation Engineer (Systems Engineer)**

October 2013 – December 2015

**Liberty Mutual**, Chennai, India; (via Tata Consultancy Services, India)*Selenium, C#.NET, NUnit, Java, Jenkins, HP- QTP, MySQL, Visual Studio*

- Delivered \$8,000 annual cost savings by implementing Selenium WebDriver replacing legacy HP QTP tools.
- Automated 450+ test scripts reducing manual testing overhead and improving release velocity.
- Optimized regression testing executing 1050+ automated tests with 8% failure rate reduction through code refactoring.
- Developed custom Java analysis tools for PDF to Excel conversion, streamlining test result analysis.

**TECHNICAL SKILLS**


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Languages	: TypeScript, Python, Java, C#, SQL, Shell Scripting
Testing Frameworks	: Playwright, Cypress, Selenium, TestNG, Easy Repro, JUnit, Cucumber, Pact, Mozart's RPA
Tools & Platforms	: IntelliJ, Cline, Postman, Jenkins, JIRA, Confluence, Docker, Kiro AI, Amazon Q
Methodologies	: Agile / Scrum, CI / CD, BDD, TDD, SDLC / STLC
Web Technologies	: HTML5, CSS3, JavaScript (ES6+), React, Bootstrap, AJAX, jQuery
Databases	: MySQL, Oracle SQL, Aurora DB, DynamoDB
Source Control	: GIT, SVN (legacy)
Cloud Tech & DevOps	: AWS (EC2, S3, Lambda, EKS (Kubernetes), SQS), Azure DevOps, GitLab CI
API Tools	: REST Assured, WireMock, JMeter, Soap UI
Integrations	: Kafka, RabbitMQ, Hydra

**SELECTED ACADEMIC PROJECTS****Smart Online Exam Management System** | *JavaScript, Ajax, Bootstrap, HTML, jQuery, JSP, MySQL* Fall 2018

- Developed a full-stack web application automating online scheduling and grading
- Generated detailed student performance analytics and reports

**Wine Classification using Neural Network** | *Java, Neuroph Framework, Backpropagation* Summer 2018

- Built multilayer neural network achieving 95% classification accuracy
- Engineered feature-based multi class classification using backpropagation

**College Automation Project** | *C#, ASP.NET, MySQL, Visual studio* Spring 2018

- Designed a comprehensive student management platform with role-based access
- Enabled course registration, scheduling, and real-time progress tracking

**EDUCATION**


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<b>M.S in Computer Science</b>	University of Southern Mississippi, Hattiesburg, MS	GPA: 3.64	December 2018
<b>Bachelor of Technology</b>	SASTRA University, Thanjavur, India	GPA: 3.68	May 2013

**CERTIFICATIONS & FOUNDATIONS**


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International Automation Tester (ISTI)	License: 98418014712166	August 2015
ISTQB Certified Tester	License: 234172265	March 2014
Oracle Certified Professional, Java SE 6 Programmer (OCJP)	License: OC1301607	September 2013

**ACHIEVEMENTS AND INDUSTRY CONTRIBUTIONS**

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- QA Excellence Award, Amazon Inc. - Recognized for pioneering AI driven automation testing
  - Best QA Award, Visa USA Inc. - Delivered zero-defect enterprise CRM migration
  - ILP KUDOS Award, Tata Consultancy Services - Excellence recognition during comprehensive training program