

## Ram, Pullabhotla

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### SUMMARY

Senior Software Development Engineer in Test with 10+ years building scalable test automation solutions at enterprise scale. Expert in JavaScript, TypeScript, Python, and Java with proven success integrating testing strategies into CI/CD pipelines. Strong background in agile methodologies (BDD, TDD, ATDD) and AWS cloud services (EC2, S3, Lambda, EKS). Skilled in Playwright, Cypress, and Selenium, delivering quality solutions for distributed systems serving millions of users.

### EDUCATION

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

### CERTIFICATIONS

International Software Testing Institute (ISTI)	License: 98418014712166	August 2015
International Business Machines (IBM) - Solution Designer Rational Manual Tester		December 2014
International Business Machines (IBM) - Database Associate DB2 10.1		October 2014
International Software Testing Qualifications Board (ISTQB)	License: 234172265	March 2014
Oracle Certified Professional, Java SE 6 Programmer (OCJP)	License: OC1301607	September 2013

### TECHNICAL SKILLS

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

### WORK HISTORY

**Senior Software QA Engineer** May 2022 - 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 QA solutions for cloud-native microservices serving millions of users across multiple AWS regions
- Built TypeScript/Python automation frameworks reducing regression test time by ~40% improving deployment velocity
- Integrated AI-powered testing using Kiro AI and Cline, achieving 20% faster defect detection while testing
- Mentored cross functional teams on BDD/TDD practices and DevOps methodologies, improving team productivity by 25%
- Drove strategic testing decisions in ambiguous environments, collaborating with engineering and product stakeholders
- Implemented end-to-end test automation pipelines using Jenkins and GitHub Actions for Fire TV OS across global markets
- Performed device e2e functional & 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

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

Fall 2018

- Developed full-stack web application automating online test scheduling and administration processes
- Implemented automated grading system generating detailed student performance analytics and reports

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

Summer 2018

- Built multilayer neural network classifier achieving 95% accuracy in wine variety prediction
- Engineered feature-based classification model using backpropagation for multi class wine categorization

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

Spring 2018

- Architected comprehensive student management platform enabling class scheduling, course registration, and library access
- Designed role-based access system for students, faculty, and administrators with real-time progress tracking

**ACHIEVEMENTS AND INDUSTRY CONTRIBUTIONS**

- QA Excellence Award, Amazon Inc. - Recognized for pioneering AI integration in automated test case generation
- Best QA Award, Visa USA Inc. - Honored for delivering zero-defect enterprise CRM migration to production
- ILP KUDOS Award, Tata Consultancy Services - Excellence recognition during comprehensive training program