

Enrique Matta-Rodriguez

● **Address:** San Antonio, United States ● **Phone number:** 210-570-6667
● **Email address:** enrique.j.matta@gmail.com ● **Github:** ematta



Profile

Experienced Manager in Software Development with a background in Business Administration seeking a role as a Software Engineering Manager. Proven track record of successfully leading and developing high-performing teams to deliver innovative software solutions. Strong communication and leadership skills to drive projects to completion efficiently and effectively. Ready to contribute to a dynamic and collaborative team.



Work Experience

2024-04 – present
Remote

Manager, Software Development Shutterstock

- Managed a team of seven as a People Manager and Engineering lead, implementing company-wide QA policies
- Transitioned team from Kanban-based workflow to Agile Sprint team structure, resulting in a 75% increase in time to completion
- Conducted weekly synchronization meetings with reports to prioritize work-related tasks
- Led onshore and offshore teams in an agile development environment
- Utilized management tools such as Jira, Viz, Google Hangouts, Slack, and others
- Facilitated team enablement with external teams, improving test efficiency by 15%

2022-07 – 2024-05
Remote

Software Engineer in Test III Shutterstock

- Led the migration of 120 Puppeteer tests to Playwright, resulting in improved test robustness, reduced debugging time, and decreased pipeline failures by over 50%.
- Provided leadership and direction to a 4-person QA team, establishing shared objectives for sprint testing, test automation, and continuous improvement of frameworks/pipelines.
- Implemented new QA policies and processes to guide the team in testing activities.
- Spearheaded the refactoring of an inefficient and flaky Jenkins pipeline, increasing productivity overall.
- Developed enhancements to improve testing with Playwright and Jest in internal tools team.

2021-11 – 2022-06
Remote

Senior Software Engineer in Test Grid.ai

- Established a quality-focused environment by educating on modern testing principles, QAOPS/DevTestops, introducing training materials, and providing 1:1 quality coaching with developers and leads.
- Implemented daily releases through Github Actions with post-release validations via acceptance testing, resulting in a 20% increase in Mean Time to Recovery.
- Developed an end-to-end test framework using Node.js and Cypress to test live and ephemeral service environments, with reporting sent to Cypress Dashboard.
- Collaborated with the People Team on SOC2 Compliance, focusing on vulnerability scanning, pen testing, change management flows, and file integrity



Work Experience

flow.

- Managed Github Actions as our CI-CD service, facilitating deployment of ephemeral environments for testing during peer review, specific environment deployments, and reporting to Loki on failed tests.
- Supervised two contractors in executing quality-related tasks in an agile environment, leading to daily CI-CD deployments.
- Designed dashboard visualizations for identifying flaky and failing tests across multiple frameworks.
- Established a ChatOps-operated pipeline using Github Actions for deploying and tearing down ephemeral environments based on test branches.

2020-09 – 2021-11

Remote

Senior Software Engineer Test

Knock

- Fostered a quality-centric culture by educating on modern testing principles, QAOPS/DevTestops, and providing personalized quality coaching to developers
- Introduced bug bash process for two major platform releases, replacing existing frameworks
- Implemented On-Call rotation using Datadog monitoring and Pager Duty integration, and standardized Root Cause Analysis (RCA) process for post-mortems
- Developed End to End test framework in Node.js and Playwright, executed within docker-compose orchestration and integrated into continuous integration pipeline, resulting in a 15% decrease in failure rates
- Designed Integration Test Framework using Node.js with Swagger client generation for Node TAP testing against microservices, allowing integration testing prior to merge to master with tests reporting to Datadog and running through Circle CI pre-master
- Established Mobile End to End framework in Node.js and Detox for React Native, executing against Android and iOS builds of mobile application
- Enhanced Circle CI pipeline by integrating test framework execution, test reporting, and SonarCloud/SonarQube scanning, with Github pull requests now displaying CI results and SonarCloud outcomes
- Implemented data seeding for MySQL Database using Flyway for Ephemeral Local Environment composition, enabling cost-effective and comprehensive integration testing.

2017-12 – 2020-05

Remote

Cloud QA Engineer

Elastic

- Developed and documented a test framework in Node.js and Webdriver.io (Selenium) that operated within docker-compose, including a selenium grid and the framework itself, integrated with Jenkins and reported results to Allure
- Created and documented an API test framework in Python Unittest and OpenAPI to assess the billing infrastructure, running in a docker container and reporting to Elasticsearch/Kibana through Jenkins CI-CD
- Built and documented an API test framework in Scala/ScalaTest and SwaggerApi to evaluate the microservices platform, executing on a Jenkins worker node and reporting to Elasticsearch/Kibana
- Established integration points in the QA environment for Recurly, Heroku, and other internal services using Ansible and Terraform for enhanced integration point testing through end-to-end frameworks
- Cultivated a quality-driven culture within cross-functional teams by actively contributing to integration and functional test frameworks, encouraging Quality Assurance Engineers to engage in GitHub pull requests
- Collaborated in a distributed, remote team utilizing video conferencing tools like Zoom, communication platforms such as Slack and Gmail, and documentation tools including Google Docs and GitHub issues (Markdown)



Work Experience

2017-01 – 2017-12

Remote

Software Development Engineer in Test Carbon Black, Inc.

- Developed and documented API test framework in Python, pytest, SwaggerApi, and pytest-xdist to test Next-Generation Antivirus cloud endpoints; executed within a Jenkins worker node and reported JUnit test report to Flowdock
- Developed and documented UI test framework in Python, behave, BrowserMob proxy, and Selenium to test Customer Portal; executed against a Selenium docker container within a Jenkins worker node and reported JUnit test report to Flowdock (originally written in Node.js and Cucumber.js)
- Collaborated in a distributed, remote, agile scrum team utilizing video conferencing tool Zoom, communication tools Flowdock and Outlook, and documentation tools Jira (X-Ray) and GitLab issues (with Markdown)
- Mentored and facilitated quality assurance team's engagement within their respective scrum teams to support product owners and developers in utilizing testing tools efficiently.

2016-01 – 2017-01

San Antonio, Texas

Software Developer II Rackspace

- Spearheaded the development of a legacy Python 2.7 application with ExtJS frontend and Postgresql database, incorporating unit tests using pytest and MagicMock, and implementing flake8/pep8 static code analysis on GitHub through commit hooks
- Architected and executed a RESTful application in Python 3, Flask, and SQLAlchemy with automated testing and static code analysis to replace a non-compliant Rails 2.0 service
- Developed and maintained a high-performance codebase for web applications using Java, JavaScript, and HTML/CSS, enhancing user experience and efficiency
- Collaborated with interdisciplinary teams to design and implement software solutions that met client specifications, ensuring timely delivery and budget compliance
- Conducted rigorous testing, debugging, and troubleshooting of software applications to address technical issues and ensure optimal functionality and reliability
- Implemented agile methodologies to streamline development processes, boost productivity, and drive continuous improvement within the software development team.

2014-11 – 2016-01

San Antonio, United States

Software Dev Engineer in Test II Rackspace

- Led and mentored quality assurance engineers in utilizing and enhancing in-house Selenium tools, contributing to automation frameworks, participating in production code GitHub issues, and facilitating cross-team communications
- Developed and documented UI test framework in Ruby, Merlot (in-house Selenium), and Cucumber for Sales and Contract portal, executing against a Selenium Grid, Jenkins worker, and reporting JUnit test results to Slack; included performance metrics for browser loading and RESTful calls
- Developed and documented load test framework in Gatling (Scala) for Sales and Contract portal UI and APIs, executing locally and reporting findings through command line output and visualization charts

2010-10 – 2014-11

Pinellas Park, FL

Quality Assurance Engineer Westpoint Underwriters

- Spearheaded the development and documentation of a UI test framework in Ruby, WATIR, and Cucumber for Insurance and Underwriting portals, executing within an in-house Continuous Integration server
- Established a Sinatra/Slim website on the CI server for Manual QA Engineers to



Work Experience

upload gherkin scripts for validating insurance policies

- Engineered QA tools including SQL Server/HTML/Excel/PDF comparisons using Ruby and rpdfbox, a static code analyzer for SVN commits, JMeter load tests on EC2 container with visualization reports in dimple.js and d3 charts
- Orchestrated the creation of the QA Automation department, introduced agile kanban methodology to the team, and supervised two Software Development Engineers in Test.



Education

2025-01 – present

Computer Science | Master of Science
University of Texas, Austin

2016-11 – 2019-06

San Antonio, United States

Business Administration | Master
Webster University

2002-08 – 2006-05

Federal Way, United States

Computer Information Systems | Bachelor of Science
DeVry University



Skills

- MANAGERIAL

Communication
PROFESSIONAL

Emotional Intelligence
PROFESSIONAL

Strategic Thinking
PROFESSIONAL

Decision Making
PROFESSIONAL

Coaching and Mentoring
PROFESSIONAL

Problem Solving
PROFESSIONAL

Conflict Resolution
PROFESSIONAL

Recognition
PROFESSIONAL

- TECHNICAL

Software Development
(Any Language)
PROFESSIONAL

Testing
PROFESSIONAL

Deployment
Management
PROFESSIONAL

Database Management
PROFESSIONAL

AI Engineering
LIMITED

Machine Learning
ELEMENTARY