César Alejandro Barragán Hernández
Senior SW Test Manager

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Professional Summary
Senior Project Test Manager with 15+ years of experience leading complex, high-stakes technology programs in automotive, finance, and enterprise software. Expert in leading cross-functional teams, optimizing testing processes to reduce time-to-market, and mitigating critical project risks. Deeply technical with a passion for mentoring test engineers and building robust, scalable quality frameworks that ensure compliance and drive business value.

Skills
- **Test Management & Methodology:** Test Strategy, Test Plan Creation, Risk-Based Testing, Agile/Scrum, KPI Analysis
- **Leadership:** Enabling all resources within the team so they become self-sufficient, motivated, and valuable to the company.
- **Test Automation Tools & Frameworks:** Selenium WebDriver, Playwright, TypeScript, Java, CI/CD Integration
- **People Management:** Fair and balanced task assignments for a healthy workload and skill development.
- **KPI Analysis:** Timely data gathering and interpretation for accurate reporting, conflict prevention, and decision-making.
- **Negotiation:** Continuous communication with the Project Stakeholders to convey the best test strategy and timing
- **Tools & Platforms:** JIRA, Postman, CANoe, Rational DOORs, Linux, VS Code
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Experience

C3.ai, QA Lead Automation Engineer
NOVEMBER 2024 – MAY 2025 | Guadalajara
- Led Quality Assurance for weekly SaaS product releases and coordinated delivery timelines with cross-functional stakeholders.
- Oversaw end-to-end regression, release readiness, and automation strategy to ensure product stability across customer environments.
- Collaborated with product owners and client teams to trace requirements, manage change requests, and deliver quality software within agreed scope and deadlines.
- Improved testing efficiency by implementing automation frameworks and continuous integration best practices.

Continental Automotive, Software Test Manager
OCTOBER 2017- JUNE 2024, Guadalajara

- Acted as a liaison between engineering teams and customers, providing structured reports and status updates on software validation cycles.
- Directed multi-project test operations for global automotive programs, managing teams of 5 to 20 engineers and aligning project delivery with milestones, budgets, and compliance standards.
- Led organizational change initiatives, including the adoption of the ISO-26262 Functional Safety process, enhancing product safety and regulatory compliance.
- Assessed the fit of new candidates, as well as provided performance feedback and evaluations to the team members.
- Drove process optimization by defining KPIs, analyzing performance data, and implementing workload balancing, improving team efficiency by 15%.
- Facilitated cross-department negotiations with Project Managers, Software Managers, and clients to ensure resource alignment and mitigate delivery risks.
- Founded and led the Local Test Manager Community, fostering collaboration, knowledge sharing, and adoption of best practices across projects.
- Developed and maintained governance frameworks, including the Software Master Test Plan and System Test Plan, ensuring consistency and traceability across programs.

Continental Automotive, Software Test Engineer
MARCH 2015 - OCTOBER 2017, Guadalajara

- Created, maintained, and executed Automated test cases for Vehicle Instrument Cluster SW functionalities.
- Effectively made use of the Different Test Case Design Techniques to write Automated Test Specifications.
- Developed and executed automated test frameworks for Instrument Cluster software, achieving 100% traceability to requirements
- Set up all the necessary infrastructure to have a working Test Bench that includes: Instrument Cluster, Power Supply, CAN Simulation, and Automated Test Sequence Configuration.
- Used Test Sequencer to write automated and semi-automated test cases.
- Created and delivered Test Specification Report after each Test Loop that included all the relevant information related to the status of the corresponding validation, such as Passed, Failed, Not Tested Test Cases, Found Issues, Closed Issues.

- Followed up on Customer Reported Issues associated with my assigned Specifications in order to confirm or reject reported behavior.
- Took part in on-site Vehicle Test Activities, trying to find issues in a close-to-production environment.

Tata Consultancy Services, Project Lead
JUNE 2012 - MARCH 2015

- Handled the operation for two QA LOB's
- Responsible for the Resource project handling and tracking the team's budget and billing reports
- Induction Business rules course to new resources
- Performed as Customer "Nearshore" Point of Contact
- Maintained weekly status meetings with other LOB's leads

Tata Consultancy Services, Test Lead
JANUARY 2011 - JUNE 2012

- Responsible for planning and delegating Testing Activities to team members.
- Created, maintained, and executed Automated test cases for the Banking institution's Web Application.
- Performed Requirements Analysis to assign the corresponding Test Specification to the most feasible test engineer, based on their expertise.
- Effectively provided time and effort estimates to match the Project's timeline
- Test Plan Creation
- QTP Scripts Execution
- Daily Agile Scrum meetings with project stakeholders

Tata Consultancy Services, SW Test Engineer
JULY 2010 - JANUARY 2011

- QA Engineer for a USA-based Financial Institution
- Took care of the Investment Management business flow test
- Requirement Analysis
- Created, maintained, and executed Automated test cases for the Banking institution's Web Application.
- Test Case Execution

eQuallity, Junior SW Developer
MAY 2009 - JULY 2010

- Participated in a full-stack Java solution for a large-scale public sector client, developing a secure vehicle registry to authorize and track fleet movement, significantly improving site security and compliance.
- Catalog creation to have a full record of buses and taxis that were authorized to use this Bus Station.
- Use of Hibernate framework to connect with MsSql Server.
- Developed a real-time simulation dashboard using JavaFX, providing live operational visibility and enabling data-driven decision-making for station management.
- Collaborated with stakeholders to analyze requirements and led quality assurance by creating and executing detailed test plans, ensuring a high-quality user experience.
- Test Case Creation and execution for a large Government application dedicated to Security.

Certifications
- ISTQB® Certified Tester Advanced Level - Test Manager (CTAL-TM)
- ISTQB® Certified Tester Foundation Level (CTFL)
- ORACLE Java 6 Programmer