David Rodríguez Vindas

Mobile: +506 8377-9669 | Email: david.rodriguez13@hotmail.com | Costa Rica

LinkedIn: https://www.linkedin.com/in/davidrodriguezvindas

Professional Profile

Electronics Engineer with +20 years of experience collaborating in multinational environments in the technology industry. Software Verification Specialist, highly qualified in areas such as: process of Software Development Life Cycle (SDLC), Agile (Scrum) Methodology, Assembled Test Equipment (ATE), Continuous Integration & Continuous Development (CICD), Integrated Development Environment (IDE), Applications Programming Interface (API). Tech savvy & AI driven executive, driven toward customer satisfaction and organizational goal.

Work History

Teradyne Costa Rica   **2002 – 2024**

Software Verification Engineer (STD)   *2011 – 2024*

Validate the *ATE* Software based on the test strategies and the customer requirement documents. Lead different projects related to various applications for products*,* such as: Digital, DC, AC, Microwave Instruments and DSP *(Digital Signals Processing)*. Corroborate requirements of *SW (Software)* and *HW (Hardware)* for *ATE Platforms*. Create test plans and procedures, based on customer requirements. Review code among experts to ensure *SW* quality. Design, develop and debug programs, using AI-driven development methodologies *(Copilot)*. Use *(SCM) Software Configuration Management (ClearCase)* tool used for version control. Execute programs in offline and online mode, looking for bugs prior integration. Automate manual tests using *Perl* scripts or Internal tools (*APIs*), to control graphical user interface applications. Create, debug, monitor, track and prioritize defects found during testing. Monitor defects in database to ensure *SW* stability and analyze the root cause (*Jira*). Work with different teams to ensure customer demands are met correctly. Maintain and support automated programs, running in a regression environment.

- Selected to be one of the presenters of the "*Perl Automation Project*" in Teradyne Technical Conference (TTC), Portland, Maine - 2012.
- QA SW Lead Fourier Tier1 project, Teradyne Costa Rica - 2013.
- QA SW Lead Fourier Tier2 project, Teradyne Costa Rica - 2016.
- QA Lead IDP project, Teradyne Costa Rica - 2018.

Test Technician at Global Customer Services (GCS)   *2002 – 2011*

Repair, troubleshoot and provide maintenance of the electronic equipment and boards. In charge of the repair process for systems such as: *Catalyst, J750, FLEX, UFLEX, Spectrum 8800 and 9100* series. Collaborate as a Team Leader for an average of 5 collaborators. Provide support in migrations during transfers of repair processes for different products from other countries such as: USA (Maine, California & Boston) and/or Philippines.

- Earn the "*Value Star Award*" by applying a different approach to solving a problem, Boston, MA - 2004.
- Lead successfully the migration process/transfer for a *J750 MSO Board Option* from Teradyne Boston, MA to Teradyne Costa Rica in a 10-month period during 2004.
- Reduce the amount of *DOA (Death on Arrive)* boards by 60% and obtain the award for the *QIT (Quality Improvement Team)* from Teradyne Corp: "MSO Nightmare" Project. 2004.
- Transfer the *GEN4 system* Repair process, from Teradyne Boston, MA to Teradyne Costa Rica in a 11-month period during 2006.
- Transfer *GEN4 system* from Teradyne Costa Rica to Teradyne Philippines in a 3-month period during 2008.
- Transfer *GEN5 system* Apollo option from Teradyne Boston to Teradyne Costa Rica, in a 3-month period during 2010.
- Transfer *Ai-760 board* from Teradyne Boston to Teradyne Costa Rica, in a 3-week period during 2010.
- Finish Electronics Engineering graduation project. Create an automated Bench process (600% faster) for an old Manual test procedure, used to test\troubleshoot microwave modules "Athena", "Receiver", and "Nike", on Teradyne Costa Rica, during 2010 and 2011.

Previous Work Experiences
- **Cafeteria Cootaxa - *Middle Level Manager* | 2000 – 2002**
- **Restaurante Pollo El Rey – Manager | 1997 – 2000**

Formal Education
- Bachelor Degree in Electronics Engineering, Universidad Hispanoamericana, Costa Rica.
- Senior Technician in Electronics, Instituto Tecnológico de Costa Rica, Costa Rica.

Courses, Languages & Others
- ***Languages***: Spanish (Native speaker) | English (CCCN / English Now Program – Advanced)
- ***Technical Skills:***
  Software Development Life Cycle (SDLC) | Continuous Integration and Continuous Delivery (CI/CD) | Quality Assurance | VBA (Visual Basic for Apps) | Visual Studio | Perl Automation | Automation API (Application Programming Interface) |Agile (Scrum) Methodology |AI-driven testing methodology | Microsoft Copilot | C |C++ | C# | .NET Framework | Visual Studio Code (IDE) |SQL |MySQL | Java | JavaScript | Jira| ClearCase | Test & Measurement Instrumentation | LabVIEW | ORACLE | TQM (Total Quality Management) | PDM (Product Data Management).
- ***Courses:***
  - IPC-A-610D normative Training.
  - 7 – Step Training, Teradyne (TQM).
  - 5s Methodology, Teradyne.
  - 1st aid & CPR training, Salva Corazones.