**Guruprasad Shrikant Shinde** **garryshinde@gmail.com** **| Seattle, WA | 6822404496**

**Summary**

Proven record of accomplishments leading one of the fastest growing consumer electronic product in the market and optimizations leading to an epic industrial transformation. Working towards reliability engineering, product development, effective planning and management for 6+ years. A quick learner, energetic, highly trustworthy and efficacy-oriented individual. Highly experienced with product development, project management and quality engineering. Excellent skills in team building, communication, cross functional management and client/customer relation management.

**Lead reliability engineer |** Microsoft (HCL Contractor) | Jun 2018 – Present

* Leading reliability and cross functional team for Microsoft surface products.
* Proposed and executed a customized DOE project on solder joint reliability resulting in direct cost savings of $400,000 a year.
* Involved in DOEs for cutting edge devices for reliability testing, MTBF, MTTF calculations to improve quality and reliability.
* Leading module level reliability tests for displays and solder joint reliability to gauge and improve reliability.
* Performed statistical reliability analysis using Weibull, RBDs (reliability block diagrams) and six sigma to improve reliability.
* Enhanced program efficiency by using TFS/Azure Boards to plan, track and control project to reduce PPM defects from 9% to 2%.
* Performed Weibull analysis, designed reliability tests and implemented strategic risk migration strategies.
* Worked with the azure team, shell team, NPI team and quality teams to define, launch and drive strategic and operational initiatives.
* Provided best in class operations and program management expertise to drive reliability members towards excellence in execution.
* Interacted with the Product owners to understand and define core team KPIs, used data to drive workforce decisions across the vendor and FTE teams, and advise the leads on trade-offs and costs to build out new processes.

**Reliability test engineer |** Microsoft (HCL Contractor) | May 2017 – Jun 2018

Working on reliability, research and development innovative Microsoft products.

Developed Spherical bend tester in house to test solder joint reliability, developed data collection system and designed SOP.

Developed HUTs, combined stress test, touch life tests for Microsoft flagship products.

Involved in improving Thermal tests, HALTs, ATC tests, Environmental tests, tumble tests and button life tests.

Worked seamlessly with DFX team, MTEs to improve test plans and prepared reports.

Well versed in various Root cause analysis and FA (failure analysis) techniques including dye and pry, x-ray of electronic packages.

**Product development engineer |** Gamestop | May 2016 – May 2017

* Involved in reliability testing, successfully carried out flexural bending tests, thermal shock tests and thermo-mechanical analysis.
* Successfully carried out overall reliability testing drop, tumble, temperature cycling tests for flagship Gaming controller.
* Created 3D designs of enclosures in Pro-E from concept to layout and delivery.
* Worked as an oversight for functional reliability tests and planned effective product strategies for Gamestop.
* Successfully improved KPIs by analyzing team performance, process efficiency and revamping of processes.
* Created cost-benefit analyses and risk assessments that were used as the basis for decision-making on proposed test methods
* Performed FMEA and evaluated test results to define failure modes.

**Product development engineer |** Budhale and Budhale Ltd. | July 2012 – July 2014

* Essential member of team of 6 engineers for APQP, advanced process quality planning.

Worked in multidisciplinary areas as FMEA, QA, QC, PPAP and product development.

Revamped and maintained BOMs, ECNs and APQP documentation.

Developed, documented and implemented new methodologies in workload balancing and process optimization.

Travelled to vendor sites for vendor development, generated SCARs/RCCAs. Evaluated supplier performance throughout.

Worked closely with clients and analyzed requirements using agile methodology.

Completed supplier development/vendor development for effective risk management process including with risk identification, risk assessment and risk migration.

Improved product accuracy by 20% with minimal rejections and reduced pre-production cost by 30% after vendor development.

**Skills matrix Education**

Strategic planning, program management, risk management, project scheduling, team building, leadership, stakeholder management, hardware testing, time balancing, Agile/scrum, reliability testing, product development, process improvement, project management, six sigma.

Azure boards, MS Project, JIRA, WITNESS, PTC-CREO, ANSYS, AutoCAD.

**Master of science – Program management**

Harrisburg University (est. 2021)

**Master of science – Mechanical engineering**

University of Texas at Arlington (2019)

**Bachelor of engg – Production engineering**

University of Pune (2012)