PRASHANT GANORKAR

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────────────────── **US CITIZEN** ──────────────────

Operational Excellence, Data Science and Certified Six Sigma Black Belt

Data Science: Tableau, ETL, SQL + SQL Alchemy, Python, Pandas, Matplotlib, JSON APIs, JavaScript, HTML + CSS, Web Scraping + Beautiful Soup, MongoDB, Flask, VBA

Products/Systems:	**Leadership**	**Product/Process Quality**
• Operation Excellence	• DMAIC Certified 6Sigma BB	• Continuous Improvement
• Lean Management	• DMEDI 6Sigma BB	• Warranty Analysis
• Data Science	• Lean Six Sigma	• Inventory Management
	• Project Management	• Supplier Management
		• Product Development

SUMMARY OF QUALIFICATIONS:

o Highly developed analytical, process development and project management skills with diverse experience across multiple product groups. Successfully led cross functional teams across different business units under different time zones to improve safety, quality, velocity, reduce cost and promoted customer satisfaction. Proven record in highly developed analytical skills using different tools and processes

o Experience in process development and relentless execution as a leader with strong and expanding technical, analytical background and commercial understanding of the business.

o Successfully led teams to reduce purchase material cost, introduced new products and addressed quality issues which improved reliability/durability of the product. Reduced purchase material cost to be competitive in the ever changing market with real threat from the low cost providers.

o Specialties: 6Sigma, Continuous product improvement (CPI), Warranty, Reliability, Durability, Analytical and simulations skills, Product development processes (PDP), Product Strategy for cost reduction (commercial and technical), Reman business, Program Management, Supplier Management and Global Experience.

EXPERIENCE:

Gillig, Livermore CA (05/19 to 05/20) Program Manager

Led Continuous Improvement and Cost Reduction effort. Analyzed current processes (REI) and introduced new processes, tools, and systems to improve business operations. Led the team to conduct feasibility study of Fuel Cell Technology for Transit Buses.

Berkeley Data Analytics Boot Camp. 09/2018 to 05/2019

- Compared KPIs of recently striking US school districts to national average with a dynamic web dashboard
- Analyzed steam leak data within a mining site to determine the root cause and sources of variations

Chevron Richmond, CA (07/15 to 08/18) Lean Sigma Facilitator: Strategy and Facility Planning Group

Developing strategy to instill Lean Six Sigma principles within the refinery. Led projects within the Operation and Maintenance business unit to achieve Operational Excellence through Lean Six Sigma and reduce operational expenses. Worked on balancing preventive and condition based maintenance and saved $450K in 2016-17 and a total of $2.5MM over the next 6 years. Led a project to create more acid gas at 5H2S plant which enabled use of high Sulphur crude and improves profit improvement by $8.5MM/yr. Other projects include Machine shop inventory management, Equipment First Release, Reduce Steam Leaks, Furnace Burner cleaning process, Sulphuric acid giveaway etc. Training white belt, greenbelts and being a mentor.

Caterpillar Inc. Lafayette, IN and Mossville, IL (11/00 to 07/15)

Certified Six Sigma Black Belt: **Cost Reduction Team Lead for LPSD business Unit** (March 2015 to July 2015)

Led, facilitated and assisted project leaders with implementation of both design and commercial (resourcing) projects by closing gaps / eliminating roadblocks in assigned action items or within the respective project to achieve the 10% cost reduction goal by Dec 2015. Also, as a part of the newly formed Cost Center of Excellence,

I worked toward bringing about transformation/cultural change within the organization and establishing a cost reduction process by leveraging previous experience with CPI and Lean Six Sigma processes.

Certified Six Sigma Black Belt: **Turbo Cost Reduction Lead** (Feb 2014 to Feb 2015)

Led a team which generated cost reduction ideas worth $16M by conducting AVID events and brainstorming sessions. Team developed extensive fact-packs for different turbo suppliers by conducting LPP analysis, clean sheet, warranty and competitive analysis as commercial levers. Developed RFQ strategies and quoted specific Cat engine platforms with other turbo suppliers to develop leverage during negotiation in the short term and to develop alternate supplier base as a long term strategy. Developed short term and long term commercial strategies for each of the turbo suppliers and came up with LAA and MDO using different technical and commercial levers. Worked on implementing multiple design ideas into production and aided in commercial negotiations which has so far reduced purchase material cost by $9.24M.

Certified Six Sigma Black Belt: Continuous Product Improvement (April 2008 to Jan 2014)

Lead cross functional teams cross business units to resolve quality issues both on production and design side. Some of the recent quality issues resolved and predicted warranty savings are 1.) C13/C15 OHT Ball Bearing issue. ($1M) 2.) C7 OHT oil leaks. ($1.3M) 3.) C13 Mach/IND Balance Valve failures. ($2.7M). Totally led close to 32 projects which accounts of millions of dollars in warranty savings.

Senior Design Engineer/6Sigma Green Belt: (Oct 2005 to March 2008)

Worked on design and validation of Diesel particulate filters, DPF/SCR selection and developed regeneration strategies using DMEDI processes. Predicted the effects of ash on regeneration interval on accelerated timeline to meet 2007 OHT launch.

Design Engineer/6Sigma Green Belt: (Jan 2004 to Sept 2005)

Selected the right engine iron to make sure engines meet EPA regulation and performance requirements. Conducted engine performance simulation to verify altitude and ambient capability for 3500C applications.

Design Engineer: (June 2002 to Dec 2005)

Design, analyze and select turbochargers for different applications. Supported production with C.I efforts. 6sigma project as a Green belt. Organized and chaired supplier meetings and design reviews. Supplier management and Project management was managed to launch new product and improve current product.

Design Engineer: (Nov 2000 to May 2002)

Conducted FEA of engine subsystem. Designed and analyzed brackets for alternators and air cleaners by conducting stress and modal analysis. Managed analysis work load for the engine platform group and leveraged resources available at different Cat facilities and Universities. Supported production by resolving PIR issues.

Delphi Automotive System- EDS, Kokomo, IN (July 1999 to Oct 2000)
Applied Analyst

Designed and analyzed Battery pack systems used in electric cars. Conducted lab tests and analyzed the structural stability of different battery pack systems using Finite element analysis. Validated FEA model with lab test data.

EDUCATION:

Berkeley Data Analytics Boot Camp. 09/18' to 05/19'
Project Management Academy boot camp for PMP. 08/18
Master of Science in Mechanical Engineering.
Purdue School of engineering and technology, Indianapolis. 05'
Bachelor of Science in Mechanical Engineering. University of Pune, India 95"

TRAINING:

VBA, Python (Panda, Matplotlib), SQL, Tableau, PMP certification training boot camp at PMA
Certified CPI 6Sigma Black Belt DMAIC. DMEDI and CPS, Data Analytics
Supply chain: Basic of Supply Chain Management. (CPIM), Inventory management.
After treatment Design and Durability, Engine performance and emissions. Turbo charging of IC engines
CAD/CAM & FEA Software: PRO/E, Desktop 2.0, Unigraphics, Ansys
Others: Matlab, 973 engine simulation, DATK simulation tool, Project management and SAE, ASME member.