

# Arbaaz Khan *P.Eng.*

Age: 43 years

Canadian

Current Address: Calgary, Canada

Having valid Class 5 Canadian Driving License

Email: [engineer@arbaazkhan.com](mailto:engineer@arbaazkhan.com)

## Brief Summary

[www.arbaazkhan.com](http://www.arbaazkhan.com)

- Very Proficient with SolidWorks CAD, Simulation, Costing, Sustainability and EPDM software.
- 15+ years of leadership experience working in a Design Engineering environment.
- An Out-of-the-Box thinker with a flair for charting out strategies and contributing towards enhancing business volumes and growth, achieving revenue and profitability norms.
- Expert in designing Optimized Products with world-class systems and implementation processes.
- Complete knowledge of Product development from concept through production using DFMEA.
- Excellent in communication with good command over English language.
- Successfully conducted corporate trainings in SolidWorks & Simulation to Organizations worldwide.
- Good knowledge in MIL-SPEC, ISO norms and industrial standards like ANSI, JIS, DIN. etc.
- Conversant with LEAN manufacturing, GD&T and tolerance stack up analysis.
- Ability to create excellent renderings, product presentations and documentations.
- Co-ordinated ISO audit activities and safety drills in the organizations.
- In depth knowledge of various manufacturing techniques & process planning and proto development.
- Adept in analyzing information system needs, evaluating end-user requirements, custom designing solutions, and troubleshooting any problems in the process.
- Able to act as liaison for the company, the customer, and the manufacturing vendors.
- Responsible for RFQ, scheduling and managing multiple projects at one time.
- A team player with strong work ethic, drive to improve and interpersonal skills.

## Experience

[Mechanical Engineer, Self Employed, Canada \(November 2012-Present\)](#)

- Guiding a team of technically competent people in a range of specialized CAD services that include designing of Defense, Aerospace, Automotive, Special Purpose Machinery and Fabricated components.
- Comprehensive product line support includes SolidWorks MCAD, FEA & PDM.
- Extensive use of MIL-SPEC & MIL-STD in design and development of new conceptual products
- Designing and manufacturing products for organizations like Goodrich Aerospace, Sikorsky Aircraft Corporation, MPC Products, Rockwell Collins, Raytheon, Boeing, Zodiac, Honeywell International, Parker Aerospace, Eaton Aerospace, Jet Propulsion Laboratory and many more.
- Organized & conducted training sessions for Engineers on CAD, FEA & EPDM.
- Created excellent renderings and product presentations leading to winning contracts.

[Design Consultant & Trainer, SolidTrainer CAD Services, Navi Mumbai, India \(Dec 2008-Nov. 2012\)](#)

[www.solidtrainer.com](http://www.solidtrainer.com)

- Heading SolidTrainer CAD Services, a corporate training institute and services company having expertise in providing professional coaching in SolidWorks 3D CAD, Simulation and PDM.
- Leading a team of 8 technically competent people in a range of specialized cad services that include SPM, MEP, HVAC, Automotive, Packaging, Pharmaceutical Machinery, Piping Layouts, Valves & fittings, Heat Exchangers, Boilers, 3D solid and surface modeling, 2D drafting, 2D to 3D Conversion & detailing and cad services in specialized areas such as mechanical, electrical, plumbing & structural.
- Successfully executed several projects and provided corporate training in SolidWorks CAD and FEA to organizations and Universities in continents around the world namely North America, Asia, GCC & Europe.
- Solely authored training course & materials for SolidProfessor, USA in Advanced and Flow Simulation.
- Identifying key business issues, with strong target orientation to interact with higher levels of management and technical / engineering departments, to promote and create brand image right from bench marking to final sales level in the procurement graph.

[Territory Technical Manager, SolidWorks Corporation \(USA\), Mumbai, India \(April 2007 to Nov. 2008\)](#)

[www.solidworks.com](http://www.solidworks.com)

- Provide comprehensive technical pre-sales and post-sales support to SolidWorks resellers including developing and training resellers on multiple products, demonstrations, product positioning and competitive overviews.
- Comprehensive product line support includes MCAD, FEA & PDM.

- Maintained a consistent commercial growth of more than 30% Y on Y & Q on Q.
- Solely responsible for Subscription Renewal Business which recorded growth of 40% Y on Y.
- Organized & presented in major SolidWorks Rollouts & top events in the CAD Industry.
- Had the privilege of being the Chief Guest in major CAD events.
- Undergone various trainings and implementation workshops around the world.

#### [Design Engineer, Al-Shirawi Equipment L.L.C., Dubai, UAE \(April 2005 to March 2007\)](#)

[www.alshirawiequipment.com](http://www.alshirawiequipment.com)

- Gained expertise in designing Oilfield, Tippers and Trailer transport equipment.
- Designed complete range of Tipper Bodies and Tipper Trailers, Cement Bulklers, Storage Tanks (water, acid and fuel), Oilfield & Transport Trailers (flatbed, step-frame, low bed, oilfield & car carriers), Tanker semi-trailers (fuel and water) and Frac Tanks (water and acid).
- Developed a completely new design of tipper bodies which reduced labour hours, fabrication costs and overheads by 48% and increased net profits by 32%.
- Developed new automated documentation systems for ready and easy reference.

#### [Design Engineering Technician, Power Master Engineers Pvt. Ltd., Mumbai \(April 2003 to March 2005\)](#)

[www.powermaster.in](http://www.powermaster.in)

- Oversaw design of Tube Expanders.
- Regulated & controlled the quality of products supplied to customers.
- Designed new models of tube expanders having higher strength with the amount of raw material required reduced by upto 26% and increased earnings by 34%.
- Directly dealt with foreign clients to procure orders and ship quality products.

#### Education

- Bachelors in Mechanical Engineering from Mumbai University in 2003
- Diploma in Mechanical Engineering from M.H. Saboo Siddik Polytechnic in 1999
- S.S.C. from St. Josephs high school, Maharashtra Board in 1996

#### Skills

##### Design Software

- SolidWorks (Certified Expert)
- Previously worked on AutoCAD, Pro-E & I-Deas

##### Specializations

- CSWP – Core : Certified SolidWorks Professional – Solid Modeling Specialist
- CSWP – CW : Certified SolidWorks Professional – CosmosWorks Designer Specialist
- CSWP – SM : Certified SolidWorks Professional – Sheet Metal Specialist
- CSWP – AS : Certified SolidWorks Professional – Advanced Surfacing Specialist
- CSWP – MD : Certified SolidWorks Professional – Mold Design Specialist
- CSWST : Certified SolidWorks Support Technician
- CSWI : Certified SolidWorks Instructor
- CCSTC : Certified CosmosWorks Support Technician Core
- CCWSTA : Certified CosmosWorks Support Technician Advanced
- CCFST : Certified CosmosFloWorks Support Technician
- CCWI : Certified CosmosWorks Instructor
- CPDMW : Certified PDMWorks Workgroup Support Technician
- CPDME : Certified PDMWorks Enterprise Support Technician
- CPDMP : Certified PDMWorks Enterprise Professional

##### FEA Expertise

- Static and Structural Analysis
- Motion Analysis
- Thermal Analysis with Radiation
- Frequency Analysis
- Buckling Analysis
- Fatigue Analysis
- Drop Test Analysis
- Optimization Analysis
- CFD (Flow) Analysis
- Pressure Vessel Analysis
- Non-Linear Analysis
- Dynamic Analysis

##### Productivity Software

- Excellent knowledge of Microsoft Office Suite (Word, PowerPoint, Excel, SharePoint Designer, Publisher, Outlook)
- Very conversant with Windows OS, Internet & Networking

##### Spoken Languages

- Fluent in English & Hindi