

Irshad Khan

E/304 New Mayur Apartment, Marol, Andheri (E),
Mumbai – 400 059, India
Phone : +91 9819 493 656
E-mail : irshad.khan@zeusnumerix.com

Entrepreneur with enormous experience in multiple roles towards building a successful organization specializing in engineering design solutions

Professional Experience

COO & Co-Founder

2004

Zeus Numerix Pvt. Ltd. Mumbai, India

Co-Founder and COO of computer aided engineering company which provides total solutions to engineering problems in the field of Computational Fluid Dynamics, Computational Electromagnetic, Computational Structural Mechanics, Dynamics and Controls.

Responsibilities

- Design and development of geometry and grid generation modules of CFDExpert™
- Managing multiple project teams engaged in diverse applications ranging from aerospace to automotive to general industrial engineering.
- Developed and maintained documentation, procedures, security, and training of staff members also maintained professional expertise in administrative computing systems and technology.
- Handle recruitment, training and performance management of team members.
- Allocate appropriate resources to ensure predictable delivery of multiple applications and projects.
- Represented company at many national conferences and technical events.
- Partner with product management to set the direction for application development
- Attract exceptional engineers, building teams, and energizing / motivating the organization
- Shared my entrepreneurial experience at various forums like School of Management and IIT Bombay
- Supervised a team of software engineers responsible for maintaining and developing new features for the in-house software named CFDExpert™.
- Supervised software releases.
- Conducted weekly negotiations between business and engineering teams, building consensus on the prioritization of bug fixes and feature requests.
- Provided technical leadership on troubleshooting and resolution of issues.

Research Areas

- Geometry import from CAD and cleaning
- Grid generation (Multi-block structured and Unstructured)

Project Engineer

2000-2004

Indian Institute of Technology, Bombay, India

Group Leader, IITZeus Group, IIT Bombay, India

- Was involved in development of Geometry and Grid Generation and made significant contribution to IITZeus product development , simultaneously working with various mission critical consultancy projects
- Designed and developed a CFD packaged called CFDTUTOR .This is the first and only Software trademark by IIT Bombay. This software helps in simulating 2D flows and provide many options for user to experiment and learn CFD.

Education

B.E (Mechanical Engineering) from Pune University

1995-1999

Attributes

- Acquired in-valuable entrepreneurial experience immediately after post graduation. In five years, built a profit making organization with 40 employees and operations in three cities.
- Superior interpersonal skills, capable of resolving multiple and complex (human resource, legal, financial, operation) issues and motivating staff to peak performance
- Extensive experience in Project Management and Product Development
- Enormous technical experience in CAD and Grid Generation

Skills

- Operating Systems: Windows, Linux, Unix.
- Engineering Analysis Software: CFDExpert, Fluent, CFX
- Programming Languages: C, C++ ,FORTRAN , QT, OpenGL, Python
- Customer Relationship Management Software: SugarCRM

Publication

1. **“Numerical Simulations of Low Reynolds Number Flow Around Micro Air Vehicle”** D. J. Patil , I. M. Khan, B. K. Gupta. INCAST 2008
2. **“Simulation of Spray Combustion Using CFD Techniques”** Sivaprasad, Abhishek Jain and Irshad Khan .18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference - 2006