

Ankit Gujrathi

Ruetscher Strasse 175
52072 Aachen
Germany

SerraTec GmbH contact:

Name: Dominic Erjautz
Mobil: +49 162-7623 514
Email: dominic.erjautz@serratec.de



Personal Information:

Nationality: Indian
Open to travel: Worldwide
Xing: https://www.xing.com/profile/Ankit_Gujrathi/web_profiles
LinkedIn: <https://www.linkedin.com/in/ankitgujrathi/>

Profile Overview:

Experience in managing technical projects and project teams. Successful implementation of complex projects in manufacturing and industrial technology. Comprehensive tasks as a project engineer in the areas of research, automation, quality, purchasing, sales, logistics, production technology. Conception and definition of departmental structures and introduction of new project processes. Audit experience in the context of international standards and successful implementation of various projects in terms of IAFT-16949 and ISO-9001.

Strong communication skills and integrity in dealing with employees, motivation, result orientation and assertiveness, high resilience and stress tolerance with high effectiveness, structured, hands-on mentality, strong organization, team-oriented, confident appearance towards customers and suppliers. I find it challenging to solve complicated technical challenges and look forward to providing effective solutions that contribute to a sustainable future.

Skills and Competencies:

- Industrial Engineering: Robust background equips me with the skills to optimize systems, integrate technology, and enhance operational efficiency
- Circular Ecosystems: Well-versed in circular economy principles, emphasizing resource efficiency and waste reduction
- Product Carbon Footprint: Strong understanding of the environmental impact of products and determined to work towards minimizing it
- Process Design and Optimization: Expertise in streamlining processes for maximum productivity
- Value Stream Mapping: Process visualization and improve value streams to eliminate waste
- Digital Strategy: Leveraging technology for strategic advantage
- Production Management: Led successful projects across multifunctional domains, using tools like JIRA, PowerBI, and Lean/Agile methodologies

Project experience:

Project Manager – SerraTec GmbH

since Jul. 2024

Business Unit: Project Management

- Collaboration in project teams in the areas of battery recycling, alternative mobility and project planning in Porsche Change Management
- Training in project management with a focus on project process and structure, agile management and definition of corporate strategies
- Project management in various projects and specialist areas
- Project management in various industries

Work Student – KraussMaffei Technologies GmbH

Nov. 2022 – Nov. 2023

Department: Product Management and Business Development

Development of product portfolio matrix for Injection molding machines

- Conducted market research and competitive analysis for injection molding machines, resulting in the identification of 3 key market gaps
- Technical analysis of the current industry practices in molding and machine technology and preparing presentations for shareholder analysis

Corporate Carbon Footprint Using Lifecycle Assessment

- Led the calculation of product carbon footprint using cradle-to-gate approach with Tanso and VDMA guidelines to reduce the carbon footprint across the value chain
- Responsible for data collection of emissions under Scope 1 and Scope 2 and analysing the results

Development of Business Case for Industrial Automation

- Devised business strategy for entering the Battery Production Automation market by conducting an in-depth analysis of industrial, SCARA and linear robots
- Defined scope for a robot-as-a-service business model for potential customers to promote digitalization

Master Thesis Student – RWTH Aachen

Oct. 2022 – March 2023

Department: Center for International Automobile Management (CIAM)

Topic: A Circular Ecosystem Framework for End-of-Life Strategies of EV Batteries for the EV Value Chain

- Development of a circular strategy for used batteries to increase the value in the EV value chain by a factor of 1.5
- Creating ecosystems for EV batteries through the implementation of the modern circular economy and adopting qualitative research methodology for verification of the hypothesis

Intern – Bayer AG

Jun. 2022 – Nov. 2022

Department: Strategy and Excellence in the field of digital strategy

Digital and IT project portfolio managements in PS Planview:

- Supporting the migration of data to PS Planview from an unstructured to a structured data source in collaboration with the Production Site Coordinators, Functional Workstream Leads and Digital IT Heads
- Assist global coordination with sites in developing site-specific Integrated Site Roadmaps in line with site strategies and future ones target agreements
- Cooperation with the coordination team of the respective locations at regular follow-up meetings and final handover of the roadmap portfolios

Development of a company-wide website based on SharePoint technology for the digital IT strategy and roadmap planning at Pharma Product Supply:

- Creation of how-to guides and compilation of technical content for users
- Implementation of the website concept and design of standard templates
- Assistance in preparing the Digital Leads Community call:
 - Development of a SharePoint website for the cross-location exchange of best practices to promote digital transformation at the PH PS locations
- Creation of an overview of the members and their activities

Content management of the submission platform for Digital Use Case Portfolio:

- Creation of information documents and reports on the most important activities within the framework of the digital use case management
- Integration of the content into the submission platform and design the site

Support in planning and creating workshop documents for the Digital Strategy Team:

- Collaboration with the Digital Product Manager in the creation of concepts for the provision of digital solutions for the locations
- Development of Power-Bi Reports to make Integrated Site Roadmaps transparent and easily accessible to all users ensuring a direct link between the interfaces of PS

Project Assistant – Laboratory for Machine Tools (WZL), RWTH Aachen

Dec. 2021 – Jun 2022

- Development of a Digital Twin model for gear honing process
- Responsible for force modeling, calculation of process forces on the honing tool and optimization of honing process using ABACUS and MATLAB

Senior Engineer – Durovalves India Private Limited

Nov. 2019 – May 2020

Department: Research and Development

- Developed and implemented quality control procedures that resulted in a 15% reduction in defect rate
- Responsible for project management and implementation of process design and improvement solutions using SAP, CAD and Office 365 tools
- Identifying and managing risks and reporting on project progress

Department: New Product Development

Development of process flow and process design for gears and transmission:

- Process establishment of new components by providing technical support for gear components
- Used value stream mapping as an agile management tool to improve process efficiency and process cycle time
- Designed process chains for complex transmission assemblies to achieve product accuracy of DIN class 6 and establish excellent process capability

Technical Project Management:

- Responsible for APQP and PPAP documentation
- Create a micro-level activity plan and provide an estimated budget for a particular project
- Planning of suitable cutting tools, fixtures, and gauges based on component geometry to achieve required quality
- Core member of the NIRMAN project team, a Product Life Management system, which aids in smooth the workflow of Product Development activities and will provide live tracking of projects

Process optimization

- Introduced alternative cutting tools to reduce cycle time and improve tool life
- Implemented technical solutions for installing automation setup to displace manual loading and unloading of components, thereby improving the efficiency of the production line and ultimately leading towards Industry 4.0
- Led the installation and commissioning of state-of-the-art cutting tools
- Reducing the occurrence of the parasitic frequencies using a fundamental modelling approach & minimizing the risk of grinding burns thereby increasing the process effectiveness by 63%
- Studying the impact of process parameters and input blank quality on the gear hob to improve tool life and reduce inventory and tool cost.

Process Automation

- Design, development and commissioning of an automated tooling machine for soft machining leading to an increase in OEE by 34%
- Incorporated process automation and state-of-the-art manufacturing strategies for industrialization projects

Design and Development of process sequence for Powdered Metallurgy Gears

- Process design of powder metallurgy gear through a heuristic approach
- Development of machine tools for all the metal-cutting processes involved

Languages:

- German – Conversational (B2)
- English – Fluent
- Gujrathi – Mother Tongue
- Hindi, Marathi – Native

Personal Interests:

I am passionate about the transition to electromobility and the development of effective battery recycling strategies. With extensive experience in new product development and technical project management, I look forward to challenging projects and developing innovative solutions. My technical interests include e-mobility, life cycle analysis and production management. Adventurous by nature, I enjoy cycling, hiking and exploring new destinations. Sport is my purpose in life and my hobbies include playing basketball, running, meditation and listening to music.