

## ABOUT:

A skilled Technical Engineer with a background in mechanical engineering and extensive experience in software development, system architecture, and cloud deployment. Proficient in full-stack web development, RESTful API integrations, and database management with expertise in Python, Node.js, and SAP ABAP on HANA. Having completed my degree in Germany and gained professional experience in German-speaking environments, my strong German language skills provide a significant advantage in international and cross-cultural projects.

## EXPERIENCE

08/2023 - present

### Technical Engineer - Polestar Consultancy Pvt. Ltd.

- Worked on integrating RESTful APIs for communication between front-end and back-end ( *FlaskAPI, ExpressJS*) and implemented authentication and authorization using *JWT / OAuth*.
- Created and managed backend servers using *Node.js* and *Express.js*, implementing robust server side logic.
- Built dynamic web applications and single page-applications using *django* and *FastAPI*, *Vue.js* and *React.js*
- Designing and implemented front-end interfaces with *HTML, CSS, SASS, Bootstrap 4 and 5, Bulma, Tailwind CSS* and *Vue.js*
- Assisted in creating and managing SAP SCRIPTS, SMARTFORMS, function groups and classical and interactive reports.

08/2022 - 03/2023

### Consultant - Web/App Development - UpWork - Global

- Advised on technical integrations of MongoDB applications with NodeJS and Python Web applications.(*django, ExpressJs, VueJs, ReactJs, NextJs*)
- Implementations of RESTful APIs based on *Express* and *Fastify* frameworks for NodeJs and *FastAPI* for python frameworks.
- Leveraged expertise in SQL(*PostgresQL*) and noSQL (*MongoDB*) to drive integration in diverse process areas, by designing and managing Databases. (*mongoose odm, prisma, sequelize for node: pymongo for python*)
- Deployment and maintenance on cloud platforms *Heroku, Netlify* and *DigitalOcean*

05/2018 - 07/2021

### IT Manager System Architect Fahrrad XXL - Dresden, Germany

- Kept project leaders regularly updated with progress, maintaining open, productive communication.
- Carried out system builds, reviews and general administration to consistently maximize potential. (*C# .NET - Logix Framework, Snipeit App*)
- Integrated new business systems swiftly and accurately,.(*Microsoft Dynamics CRM, Cisco Unified Contact Center, Zendesk*)
- Developed and implemented effective IT strategy to meet company infrastructure demands. (*Microsoft Azure AD*)

04/2017 - 03/2018

### Weißer Hirsch. - Dresden, Germany

- Supporting the board in conceptual and strategic questions
- Commercial support for projects from the preparation of offers through implementation and control to the follow-up evaluation (project controlling)
- Support for effective project and time management

10/2016 - 01/2017

### Papiertechnische Stiftung (PTS). - Dresden, Germany

- Preparation and evaluation of industrially recorded measurement data • Practical application of digital technologies in the industry and collaboration in the development of smart services

10/2015 - 11/2015

Kensersys India Pvt. Ltd. - Pune, India

- Contributed to the development and design of a Wind Turbine (WTG) product • Analyzing and studying operations and maintenance of wind farms in Maharashtra

## SKILLS

- SAP ABAP on HANA  
*BAPIs, SAP Scripts, Smart Forms, BDCs, User Exits, Workflow*
- Python PCEP - Level  
*Django, FastAPI, Flask, HTML, CSS, Bulma, Bootstrap 4 and 5 Git, Jira*
- NodeJS Application Development  
*Express.js, Next.js, React.js, Vue.js, TailwindCSS, HTML, CSS, JS, SAS, Git, Jira,*
- SQL DB.  
*PostgreSQL, MySQL, MSSQL, MongoDB*
- CAD Softwares:  
Solidworks, Catia
- Simulation: Solid Edge, Ansys
- Numeric Computing: Matlab, NumPy

## EDUCATION

2018

**Bachelor of Science**, Mechanical Engineering

**TU Dresden** - Dresden, Germany

**Major:** Produktionstechnik (Manufacturing & Process Planning, Production System) **Minor:** Production and logistics for parts manufacturing or assembly, Machine tool development

2013

**Studienkolleg** Science

**University of Leipzig**, Leipzig, Germany

2010

**Higher Secondary School Certificate** Science

**P. Jog Junior College** Pune, India

2008

**Secondary School Certificate**

**Loyola High School** Pune, India

## ADDITIONAL EXPERIENCE

- Executive Vice President, Indian Association Dresden e.V. (2017 - 2023)
  - Created a robust Web App that is used to manage all departments (Events, Finance, IT, Board) in a single place.
  - Automation and digitalisation of financial and membership Workflows.
  - Coordination with Embassy of India, Berlin during the COVID19 Pandemic for families and students in Dresden •
- Technology Expert Club 11 e.V. (2015 - 2022)
  - Responsible for budget planning and design for technical equipment and personnel.
  - Creation of time / construction plans.
  - Coordinating of work areas (electronics, stage work, lighting, sound) for all major events. •
- Head of Finance IAESTE LC Dresden e.V. (2018)
  - Tracking budget and accounting information, billing and Stipend disbursement for interns.
  - Overseeing cash flow, grants from DAAD germany.
  - Preparing financial statements and detailed reports of all projects completed for the previous and current year

## LANGUAGES

**English (C2)**, Marathi (C2) **German (C1)**, Hindi (C1), French (B1), Italian (A2)