

# Shailesh Charati

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## CONTACT

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## WORK SUMMARY

- Architecture and Development experience in
  - Enterprise Software
  - Integration technologies and architectures
- Proven track record of providing technical leadership and defining, developing, and evolving software
- Ability to make informed technology choices after due diligence and impact assessment

## WORK EXPERIENCE

### Siemens Industry Software India (Pvt) Limited

August 2016 - Present

Senior Software Engineer

- Defined the road map, architecture and led the development of Polarion - Teamcenter Requirements Management Alignment which has resulted in new customer wins
- Defined the solution architecture and led development of
  - Rule based Microsoft Word document import
  - CKEditor JavaScript plugins for authoring improvements
  - Mathematical equation authoring support:
    - TeX to MathML translator using Node.js and MathJax
    - Import of mathematical equations from Microsoft Word
    - Export of mathematical equations to Microsoft Word
- Conversion of GWT based Teamcenter Requirements solution to native JavaScript - AngularJS solution

### Siemens Industry Software India (Pvt) Limited

March 2008 - August 2016

Advanced Software Engineer

- Defined the solution architecture, design and led the development of Integration between Microsoft Visio and Teamcenter product
- Introduced Apache Thrift (serialization and RPC) to reduce cost of ownership (Apache Thrift was later evaluated by the Platform team for building Microservices)
- Designed and developed a web based diagramming demonstrator for a major customer which eventually led to a multi-year customer funded product development initiative
- Scoped, managed and successfully delivered Proof of Concepts (POC) that resulted in technical wins
- Re-architected several aspects of Logistical Support Analysis solution, led development and adoption
- Improved the import performance in Logistical Support Analysis solution by 50%
- Managed and mentored team of external development personnel
- Conceptualized and led development of tools to ease the customer workflow
- Automated the process of localization of domain solutions

## **PRION PLM & IT Services India Limited[acquired by Accenture]**

**September 2006 - October 2007**

Technical Leader

- Designed and led the development of Aircraft Engine Logbook generation module
- Designed and led the development of an internal document management system using the Teamcenter Enterprise SDK
- Developed data extraction client for exchanging data between Teamcenter Enterprise and third party systems
- Provided technical inputs to RFPs

## **Syntel**

**April 2006 - August 2006**

Project Leader

- Provided technical inputs to RFPs

## **Geometirc Software Solutions**

**December 2003 - April 2006**

Senior Software Engineer

- Developed a framework for data analysis tools to report corrupt data and suggest remedies
- Developed data migration solution for migrating data from a legacy CAD integration product
- Worked as consultant for customer data migrations.

## **Geometirc Software Solutions**

**April 2001 - November 2003**

QA Engineer

- Worked on the Quality Assurance of Teamcenter Industry focused solutions viz., Aerospace and Defense, Consumer Packaged Goods and also of migration solutions

## **KEY SKILLS**

Technical:

- Techniques: OOAD,Agile,SCRUM
- Languages and Frameworks: Java,JavaScript,Python,Node.js,AngularJS,GWT,Eclipse RCP,C
- Tools: Git,Perforce,CVS,Visio SDK

Others:People Management,Coaching,Mentoring

## **EDUCATION**

### **M.S in Software Systems**

**August 2005 - August 2007**

BITS, Pilani

### **B.E. Mechanical Engineering**

**August 1995 - August 1999**

Karntak University,Dharwad

K.L.S. Gogte Institute of Technology, Belgaum

## PATENTS

Jointly hold patent : Interactive configuration-management-based diagramming tool US 8768654 B2

## REFERENCES

Available upon request