

# Shailesh Charati

Senior Software Engineer at Siemens Industry Software India

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## Summary

- \* Hands on coding and Architecture
  - \* 16 years IT experience
  - \* Technical Leadership and People Management
  - \* Experience building software products [web applications, desktop applications, product integrations]
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## Experience

Senior Software Engineer at Siemens Industry Software

August 2016 - Present

- \* Responsible for defining solution architecture for Requirements Management solution in Teamcenter portfolio
- \* Worked with onsite R&D team in Czech Republic to arrive at road map for alignment of Polarion ALM and Requirements Management solution
- \* Defined the road map, architecture and led the development of Requirements Management solution's alignment with Polarion ALM which has resulted in new customer wins.
- \* Defined the solution architecture and led development of rule based Microsoft Word document import, Requirement authoring improvements in CKEditor, import-export, authoring of mathematical equations (MathJax)
- \* Improved automated system test coverage
- \* Worked with Product Managers and Development Managers in defining Product requirements

Software Engineer Advanced at Siemens Industry Software

March 2008 - August 2016 (8 years 6 months)

- \* Defined the solution architecture 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 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
- \* Supported documentation and provided training to support teams
- \* Built demos to showcase product features

### Technical Leader at PRION

2006 - October 2007 (1 year 10 months)

- \* 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

### Project Leader at Syntel

April 2006 - August 2006 (5 months)

- \* Provided technical inputs to RFPs.

### Senior Software Engineer at Geometric Software Solutions

December 2003 - April 2006 (2 years 5 months)

- \* 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.

### QA Engineer at Geometric Software Solutions

April 2001 - November 2003 (2 years 8 months)

- \* Worked on the Quality Assurance of migration solutions and Teamcenter Industry solutions (Aerospace and Defense, Consumer Packaged Goods)
- \* Developed tools to automate the preparation of Test Environments

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## Education

BITS Pilani

MS, Software Systems, 2007

Karnatak University

B.E, Mechanical, 1995 - 1999

Karnataka Science College

1993 - 1995

K E Board High School

1987 - 1993



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[Contact Shailesh on LinkedIn](#)