creating a Software Engineering ecosystem!

ASTRA INFOTECH
the Software Engineering company

- tool sales
- training
- consulting
- mentoring
- outsourced testing
- CMMI consulting

the need of the hour

Current Scenario

As technology advances at the speed of light, computer software systems are getting more and more complex by the day. Alongside, the awareness and knowledge about software is getting more sophisticated, fuelling sky high expectations from the community of users.

As computers and software systems, increasingly touch upon more aspects of every day life, business and economy are becoming directly proportional to the sophistication levels of the bundle of software systems. This is only one side of the story.

On the other side, software development industry has to travel a long way to be like any other manufacturing industry – to be innovative, yet sustainable, distinctive, yet repeatable, and more than anything else, to have an engineering approach end to end.

We belive that only software engineering can deliver the solutions in such an environment

What is Software Engineering?

"The application of systematic, disciplined, quantifiable approach to the development, operation, and maintenance of the software; That is, the application of engineering to software" --- IEEE

Systematic   .... Process driven

Bygone are the days of individual heroism in software development. As the complexity of the system increases, the emphasis is shifting to a structured, systematic and process driven work ethic leading to predictable results.

Disciplined   .... Team work & Goal orientation

Software development is a team effort where cohesiveness of the unit determines the success. Effective communication among the team members ensures a much-improved productivity.

Quantifiable   .... Objective, Automated and Metric-driven

Automated activities complement the process-driven work pattern, reducing the complexity of the tasks to be executed. This enables objective metrics collection, cost reduction and higher productivity.

Astra infotech - the company

Vision

Our vision is to be the global pioneer in the direct enablement of the software development, deployment and maintenance community in adopting software engineering principles, methodologies and tools.

Mission

To expand the market reach and penetration through a successful and satisfied clientele, who have benefited with the services and support provided by Astra.

Our Value Proposition

Provide services to enhance the productivity, predictability and reduce the overall cost of various software development activities. Realize this with software engineering best practices and effective automation leading to an enhanced ROI to our customers.

Company profile

Astra Infotech Private Limited, the software engineering company, believes, practices and evangelizes the practice of the software engineering principles. These principles are encapsulated in the best practices, aligning with industry standards including ISO, CMMI, Unified Process, Model Driven Development, etc and using related software engineering tool sets from popular tool vendors and open source.

Astra Infotech enables clients to adopt the software development's best practices in harmony with software engineering principles. Our unshifting focus on software engineering enables our clients to establish a better relationship with their customers by focusing on the requirement, design, modeling, testing, configuration and change management areas. There by supporting your transition from mundane software development to high-value software engineering!

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what are our services?

Software Engineering Enabled Outsourcing

Outsourcing has become order of the day. Globalization raises the bar of competitiveness. In order to be successful in the new emerging economic scenario, one has to look at optimizing the resources. Higher productivity along with cost optimization is a real challenge.

Software engineering plays a big role in effectively controlling the major challenges of outsourcing. An acquisition process, effectively leverages with Software engineering, can bring substantial results. This will enhance the predictability and remove the vendor dependence.

We provide right acquisition process to leverage effective outsourcing based on software engineering principles and methodologies, resulting a better ROI

- Model based approach for effective outsourcing
- Effective requirement management practice to handle the cultural challenges
- Preparation of right software acquisition process, templates and formats
- Out sourced automated / manual UAT (User Acceptance Testing)
- Onsite software engineering resources deployment

Software Engineering Tools Reselling

Just like any other engineering activity, automation plays a key role in software development. The right level of automation enhances the productivity considerably. In order to get the right results of effective automation, we need to provide an integrated environment. An automated, end to end traceable software development life cycle, brings more, than the sums of the individual part. 1 + 1 = 3!

We will help you identify the right tool for your specific automation need. Right automation resulting productivity enhancement, resulting a better ROI

- IBM Rational tool identification & Implementation
- Onsite proof of concepts (tool specific)
- Tool integration (including multi-vendor)
- Jump start sessions
- Onsite / Offshore resources

what are our services?

Software Engineering Services

Like any other manufacturing industry, software development is also based on the engineering principles. The awareness and proper utilization of these engineering best practices and principles, will result considerable productivity increase. Implementation of various quality systems, leveraging with the right level of automation, enhances the per person contribution

We provide software engineering services to enhance the productivity and reduce the cost of various software engineering activities, resulting with a better ROI

- Process consulting and methodology implementation
- Software Engineering gap analysis as per CMMI model
- Traceability solutions
- IBM Rational tool training and implementation
- Outsourced software testing (Manual/Automated)

We provide:

- Business process modeling
- Requirements management
- Software architecture analysis and review
- Analysis and design review
- Functional and performance testing
- Change and configuration management
- Iterative project planning and management
- Customization of Rational Unified Process (RUP)
- CMMI realization using RUP

Software Quality/Testing

As software has become an integral part of day to day life, dependence on software systems are becoming high. Availability and expected level of performance of any software system is very critical. Tight quality assurance is essential.

Astra provides end-to-end software quality solutions in relation with functionality and performance. Our unstinting focus on software engineering principles eliminates not only the peripheral problems but tackles the root cause of an issue. To ensure high quality software, we realise that the focus must start from quality of requirements and lead up to their final deployment.

Capturing the explicit (functional) and implicit (performance and non functional) requirements and setting a proper traceability with all relevant test cases acts as safeguard against the 'big surprises' of user acceptance. Moreover, a high degree of automation results in better regression testing. Automation exponentially reduces the effort, enhances traceability and maintainability, bringing in higher cost savings and a better ROI.

We provide:

- Functional testing
- Performance testing
- Automated regression test script generation
- User Acceptance Testing (UAT)
- Onsite/Offshore test resources

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why we say we are unique?

what they say about us?

We believe strongly, that software engineering can only create the differentiator. We practice, what we preach. Our various unique initiatives, achievements and proud clientele undoubtedly establish this fact.

- A perfect 10/10 on a customer satisfaction survey conducted by IBM India
- Rookie award for fastest growing partner of IBM Rational block in the country(India) - 2006
- The only IBM Rational partner in the country to present two customer success stories at Rational Software Development Conference, Bangalore, India (2006)
- TSECC – Technopark Software Engineering Center: First of its kind in Asia
- India's first IBM ECIS partner for software testing training
- ASSIST Academy: India's first exclusive software engineering academy
- First Indian software company to set up a branch at Hannover, Germany
- First Indian company to tie up with IBM Rational Germany as partner

Congrats!! partners like you make us really proud,. Great to see the customer satisfaction focus!
Jayas Damodaran, Country Channels Manager, IBM India.

I am pleased to inform you that we have secured CMMI maturity level 3 certification. Thanks for your guidance and cooperation.
Balu, US&S Private limited, Bangalore, India

We value the support you had extended to kick - start the project.
Pradeep N, Cordiant Technologies , Cochn

Course material was very indepth and the instructor was excellent
Jose Timmy, HP Labs , Bangalore, India

We are extremely happy with the quality of your training / consulting on software Engineering and IBM Rational tools. We have started seeing the benefits in the project.
Jayan P, General Manager (Production Services), IBS, Trivandrum

I really appreciate your efforts in making the training address our issues with the application
Sukanta Kumar Bhat, Philips Software Centre, Bangalore, India

We sincerely thank you so much for your training.We learnt a lot from you.The training was very good and it exceeded our expectations.
Satish Kumar, Wipro, Bangalore, India

whom do we partner with?

who makes us proud?

IBM Rational

IBM Business Partner

Business Partner: India & Germany
Authorized Training & Consulting Partner: India & Germany
Authorized Independent Training Provider: IBM Rational Brand

accenture

Cognizant

ENVESTNET Asset Management

GEMINI

Infosys

KGiSL
We make IT happen
EN ISO 9001:2000

MERCURY

PHILIPS

SERVION

SunTec Business Solutions

VISHUE TECHNOLOGIES

Allianz Cornhill

Cordiant Technologies

ERNST & YOUNG
Quality Is Everything We Do

Honeywell

AI ISO 9001 Institute

KONE The heart of your building

BeST

PREMIER

SIEMENS

TATA ELXSI

US Software

CARITOR

Dishnet Wireless Limited

इसरो isro

hp invent

isgn

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NIC

RM Education Solutions India Pvt. Ltd.

Stobilis

technopark harmony at work

WIPRO

CCS technologies

E·FUNDS

THE FEDERAL BANK LIMITED

ibs

ismart iSmart In

Mentor Graphics

perot systems

Satyam

SUBEX

TELESIS

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