MUHAMMAD FARHAN

Highly motivated & focused | +15 years proven delivery record

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☆ Developer Program Member

Summary

At Siemens, I function as a consultant for specialized technology and research software, applications & tooling development research development.

ROLE (HIRING PREFERENCE)

Leadership & teams management

Process & digital transformation consultant

Research & Development

Independent contractor

EXPERIENCE

Technology & Compliance Specialist (AAI AIS)

Siemens Digitial Industries SW (October 22 -)

My current role at SIEMENS is to manage and deliver sustainable and scale-able technology framework that implements agility and define degree of governance.

These crafted techniques & technologies enable overall intelligence, contribution, resuability, knowledge-sharing and collaboration for systems, products, cloud, teams, services, devices and applications.

Design workflows & automation strategy for continuous deployment, monitoring & integration use-cases.

- Simplified blocks for external integration and solution verification.
- Resolving the domain specific complexities through custom tooling.
- Next-Generation collaboration style & work models
- Automated pipelines & intelligent workflows
- Customized process & hybrid tailoring techniques (Agile)
- Inner Source & Open Source contribution

Project:

ML Application Development Framework. "A framework for Data Scientists to develop, test & deploy production grade ML Applications.

This framework consists of set of design services, SDK, IDE (VS Code) & Runtime for data scientists which allows them to develop production grade ML applications

Technology & Compliance Specialist (MindSphere)

Siemens Digitial Industries SW (Nov 18 - Oct 22)

Lead teams of software developer and field test engineers to innovate quality product.

Senior Technical Lead

Mentor Graphics (SLE) (Apr-15 - Nov 18)
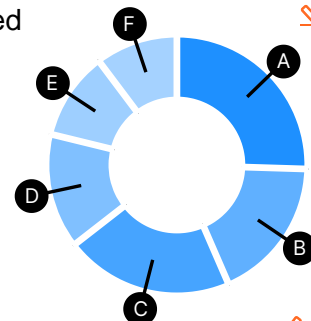
https://www.mentor.com

- Play a key role in executing on the IoT Software Platform test automation strategy, driving quality and testability of products and services built over Amazon web services.
- Leading productization process to ensure the product is built according to standard process gates (criteria) of planning, development and deployment Build and test highly horizontally scalable, distributed services that run in
- public, private and hybrid cloud infrastructures
- Defines and handles defect tracking and correction procedures, monitoring and updating defect reports as needed
- Writes test scripts to assess software quality, and develops automated test
- reporting to increase test effectiveness.
- Develops test plans and test procedures for testing of all components at the unit, module, system and integration levels, performing risk analysis when
- required.
- Build and test large scale messaging infrastructure, data replication,

COMPOSITION - Traits

✅ Speed ✅ Due-**deligence**

✅ **Collective** Sucess ✅ **Zero-Waste**

A Ownership: Focus on delivery part. Due-Deligence in every phase

B Process: PLM compliant release management (Product Lifecyle Management)

C Technology research & transfer (Systems, Softwares, services & devices)

D Continous release workflows & pipelines

E Team capability & retention (Growth zone)

F Economic value addtion (Business model validations based on estimated profit & verification track)
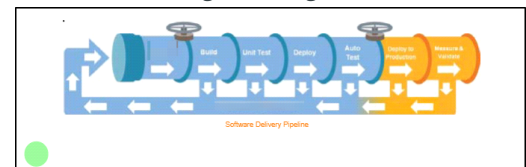
EXPERTISE

Need for Speed

Continuous & Iterative delivery pipelines

 Increase factory productivity through pre-made resolutions to common SDLC challenges.
 Backlogs refinement & timeline visibility
 Knowledge exchange & collaboration.

EDUCATION

Bsc (Engg) Electronics Engineering (Grade A+)
Session: 2003-2007
Institute of Engineering & Technologoical training (IET)

EXPERIENCE

Delivery Compliance Manager (SENSYS)

INTECH Automation & Intelligence

📅 2009 - 2015 📍 Lahore
https://www.intechww.com/

- Innovate the quality product
- Common Interface for development, architects,SCM, documentation, product Management, commercial and enterprise quality.
- Lead teams of software testers and field test engineers to build the validation strategies for mission critical and fault tolerant industrial systems and applications.
- Use-cases and risk mitigation.
- Plan and maintain customer beta deployments
- Assure the availability, functionality and effectiveness of delivery through customer visible environment.
- SQA policies to align the vision transformed from higher management.
- Build agreements, guidelines, and standards in order to resolve issues and create practices.
- Respect people.
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PROJECTS

Machine Learning & NLP

Develop machines / apps that can understand humans and understand what they want them to do and how humans communicate with each other (language processing). Let the machines develop a set of learning environment of their own to help humans ease the load of work.

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Plant Information Management System - SCADA Historian

Associated with INTECH Automation & Intelligence
 A very large and critical nature project to develop an application to acquisite data from multiple DA and A&E sources and concept of SCADA partner
allows commenting/annotations on distributed data remotely from the central node with distributed live storage locations, time and Event based scheduling of backups creation, provision of Historical Data Access to other parties,multiserver data aggregation, multiple data compression techniques, archive management, reporting, Different Real – Historical time trend visualization.
My role was Technical Manager and responsible for Project (QA Resource, test estimation and Task
) Planning, analysis, test designs, manage QA &

test architecture, performance tuning and scalability, design and lab tests management.

OEE Overall Equipment Efficiency : This solution collects all the relevant information via the control systems installed at the site and then provides in depth analysis on OEE calculation and the factors that contribute to OEE.Main components includes a production transaction engine, Databases and reporting and BI analytical tools.
Responsibility: Project (QA Resources, Time and Task) Planning, Functional Analysis, Design, test execution of the application and devices
Role: Technical Manager/System test engineer.

EXPERTISE

Technology & Innovation

 Continuous Innovation:
focus on core business objectives to align with delivery competence
 - Create competitive advantage

The software stack used and the technologies applied contribute significantly to the success of the development. The selection and use of these should be professionally managed.
• Frameworks
• Languages
Data-driven PLM (data transparency, ..)

Change Management

Process agility & tailoring

Lean and agile process and criteria alignments based on the delivery timelines & its nature

 Improve: continuously collect feedback on all levels including stakeholders, customers, and colleagues

 Collective Success: continuously demonstrate the culture of appreciation and respect for everyone's opinion and their contribution.

Compliance

Cybersecurity, Threats & risks, OSS, technology patents, licensing, EHS and all other legal or compliance relevant topics

ML models deployment & training platforms & AI workflows

develop purposeful technology by taking human in-loop

IoT enablement & Cloud subscriptions models

Cloud enablers for solutions & devices subscription management