

# SHUBHAM TYAGI

SOFTWARE ENGINEER, SCRUM MASTER

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## SUMMARY

Software Engineer with experience of 3+ years in **complete software development life cycle** of Web and Desktop applications.

As **Scrum Master**, handles project management & coordination work efficiently to deliver results.

## TECHNICAL SKILLS

### Languages:

- C#
- HTML, CSS
- JavaScript, TypeScript

### Frameworks and Libraries:

- ASP.NET Core,
- ReactJS

### Database:

- MySQL
- SSMS
- MongoDB

### Unit & Integration Tests:

- NUnit
- NSubstitute
- Jest
- React Testing Library
- Postman

## SOFT SKILLS:

- **Leadership:** Scrum Master of a self organized team of 5 members
- **Event organizer:** Organized numerous events in Office and College, including **Audio Data Collection event for Google Japan**.

## RECOGNITION

- **Spot Award at Siemens** for designing and delivering Custom UI/UX Controls for specific hardware.
- **Worked onsite twice** at Sivantos Singapore HQ during June 2018 and September 2019
- **Outgoing Star of Excellence Award** from University.

## PROFESSIONAL EXPERIENCE:

### **Siemens Technology and Services Pvt. Ltd.**

#### Product: Test Report Viewer

Web Application to monitor, extract data of tests executions performed on hearing instruments during production. Used for analytics, troubleshooting and audit purposes.

Frontend: JavaScript, TypeScript, ReactJS

Backend: ASP.NET Core

Database: SQL

#### Relevant Contributions:

- Drove the **complete development lifecycle** from understanding the Business Requirements to implementation, testing and delivery.
- Single handedly delivered **RESTful APIs** to query test results and generate reports.
- Single handedly delivered **Front-end Implementation**.
- Implemented server-side pagination and **optimized querying of results**.

#### Product: Operator Application

Desktop Application to load the tests and required dependencies and test the Hearing Instruments at various stages of production.

Frontend: WPF

Backend: C#, WCF

Database: SQL

#### Relevant Contributions:

- Drove the **complete Development Lifecycle** from understanding the Business Requirements to implementation, testing and delivery.
- Single handedly designed, and implemented from the scratch, elegant, minimal and powerful UI/UX which provided following benefits:
  - **Removing dependency on a third-party** resource for UI styling.
  - Incorporated a curve control to **improve readability** of multi-value results
  - Enabled multi-channel executions, **reduced time per execution by 30%** and significantly reduced manual effort. **(Received Spot Award for same)**
- Implemented an '**Automation Mode**' using GRPC so tests could be performed on multiple machines and can be monitored on via central client **remotely**, providing following benefits:
  - **Reduced human effort** in serial testing **by >95%**.
  - Enabling production facilities to **function 24x7**.
  - **Reduced cost** of testing per unit **by >30%**.
  - **Enabled** production to **function during Covid-19 pandemic lockdown**.

## Education:

**M.B.A. (Working Executive)**

Jan '21 - Apr '22

NMIMS

Dual-Specialization in Leadership & strategy and Operations & Supply Chain.

**B.E. Computer Science Engineering**

Aug '13 - Jun '17

Sathyabama University

Completed a project on Multi-Channel, emergency disaster data extraction from social forms using Big Data and IoT based analysis