

Fawad Tariq



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<https://fawadtariq.dev>

Summary

OpenGL/WebGL having most focus and being my current favorite, I have 9 years of experience in the tech industry, from Graphic & Media Design to UI/UX Development, far-reaching towards headstrong Software & IoT Systems Development and Integration, also having ample knowledge about Servers, Networking, The World of the Internet & DNS, etc.

I am a highly dedicated IT Specialist. Inspired by innovation, I aim to educate.

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Experience



WebGL/Three.js Engineer & 3D Designer

Giisty

Oct 2022 - Present (2 months +)

Fully-Remote Role



Co-Founder & Director

Starsys Solutions (Pvt.) Ltd.

Dec 2020 - Present (2 years +)

From planning, to launch far reaching to execution.

I started Starsys Solutions (Pvt.) Ltd. amidst the Covid-19 crisis which was a product of need-of-time and opportunity to help find a solution to industry problem.

I had previously just resigned from my last employment with aim of pursuing consultancy services and make better use of my time when a close contact (who was working with a renowned hardware provider at that time) to develop a software for their new product which was to combat covid-19 in workplaces.

I took on the challenge and this is where the story of Starsys started.



Solutions Architect

3CIX LTD.

Aug 2022 - Oct 2022 (3 months)



Senior Full Stack Engineer

IDWise

Feb 2022 - Apr 2022 (3 months)

Provide remote technical services to multinational organization to build global-scale interactive B2B software products.

Some of my major responsibilities:

- Restructure and improve the WebSDK and ensure we have more reach and a better experience of customers.
- Identify, design and build internal tools which add direct value to the business
- Be attentive to overall product details and ensure the best experience
- Ensure we use the best possible, maintainable, scalable and efficient technologies and write code that is contributes to these properties.



Professional Freelancer on Upwork

YACA Digital Media

Oct 2020 - Mar 2022 (1 year 6 months)

<https://upwork.com/ag/yaca>



Team Manager

Ingenious Digital Systems (IDS)

Nov 2019 - Dec 2020 (1 year 2 months)



Team Lead & IT Analyst

Ingenious Digital Systems (IDS)

Mar 2019 - Oct 2019 (8 months)

Soon after the company's launch, along with being the leader of the new energetic team, I was charged with all IT establishment aspects of the company.

First of all, I designed & implemented the company's online presence starting from the very core:

- Register the right TLD,
- DNS Setup for Web Presence as well as devices reporting to our servers.
- Use of tech stack like Cloudflare to ensure continuous network delivery and rapid maintainability.
- Analyzed team's needs and set up a friendly and to-the-point development environment which resulted in optimum collaboration & continuous delivery.

Highlights as an IT Analyst:

- Since we were majorly working with integrating IoT Devices of different manufacturers, I felt the need of not-having-to worry about network dependencies during development or testing so I came up with a small server-network setup (depicting a model DNS) inside our own local network and integrated a script with Visual Studio 2019 which deployed the DNS Records with Web App on our own local server so that all stakeholders can access the web project on a specific URL (only accessible inside our company's network) not having to worry about IPs or Security Protocols which are required for some devices to operate.

I also lead a team of entry-level & experienced professionals in the area of software design & development, UX, full-stack dev, graphic design, branding, and networking.

Highlights as a Team Lead:

- Wrote powerful JS Libraries to enable backend devs use the power similar to Linq and SQL using a very similar syntax in JS and JSON
- Wrote UI Components & jQuery-based plugins with MVC 5

- Came up with our very own color-theming options for our Web App Products.
- Enabled UI Design, DB Communication, IoT Devices Integration, all with JavaScript.

I tried my best to incorporate my skills with JS & its power into every aspect of the company and I hope the time & effort was worth it.

Experience Designer & Full Stack Engineer

Ingenious Digital Systems (IDS)

Oct 2018 - Feb 2019 (5 months)

Responsible for almost every product's and project's UX Design. My sole focus was to give the company a clear and rigid presence in terms of digital graphic and software design.

Along with this, I worked directly with a team experienced software engineers as a Full Stack Developer & Brainstorm-er, assisting them in depicting their well written software and web applications into actual user-oriented, friendly, good looking and usable products.

User Experience Designer & Full Stack Developer

Xtreme Solutions (PVT) LTD.

Aug 2018 - Sep 2018 (2 months)

Worked on a Vehicle Tracking & Full Scale Fleet Management Product with a team highly experienced software product professionals.

Turned a research-based, well written web application into a complete product and released it's new version by the name of TrackPoint "2.0" which is used by leading OMC & Logistics companies throughout Pakistan.

UI/UX Designer & Front-End Developer

Xtreme Solutions (PVT) LTD.

Feb 2017 - Aug 2018 (1 year 7 months)

Focused on the multiple-user-oriented look & feel of a Vehicle Tracking & Fleet Management Product. Also written custom Data-Driven JavaScript Front-End Components for the application and used them Application-Wide.

Student Chapter Secretary

ACM, Association for Computing Machinery

Jun 2016 - Mar 2018 (1 year 10 months)

Head of Programmer's Club

PAF-Karachi Institute of Economics & Technology

Jan 2017 - May 2017 (5 months)

Director Organizing Committee

International Conference on Computing & Information Sciences

Oct 2016 - Dec 2016 (3 months)



Teacher Assistant

PAF-Karachi Institute of Economics & Technology

Jan 2016 - Dec 2016 (1 year)

Courses:

Introduction to Information & Computing Sciences

Programming Fundamentals

Web Design

Visionary Leadership & Motivation

Crash Courses:

Data Structures & Algorithms

Programming Fundamentals

Workshops:

The Beginner's Web (Trainer)



Director Information Technology

KIET Model United Nations

Nov 2016 - Nov 2016 (1 month)

Education



PAF-Karachi Institute of Economics & Technology

Bachelor of Science (BSc), Computer Science

2014 - 2025

One of the best debaters in English language, Voluntarily led most of the programming competitions across campuses, started student chapter of ACM along with friends, voluntarily leading chapter of the ACM since 2015, a very-well known graphics and UI designer in my campus.



Govt. Degree Boys College

FSc., Pre-Engineering

2012 - 2014



S.M. Public Academy - 4

SSC - Matriculation, Computer Science

2002 - 2012

Skills

JavaScript • WebGL • Three.js • Pixi.js • Vue.js • Tailwind CSS • ASP.NET MVC • C# •
Internet of Things (IoT) • 3D Modeling

Honors & Awards



Certificate of Appreciation - PAF-KIET, Dr. Muhammad Khalid Khan (Phd.)

Jul 2015

Elected General Secretary of Student Chapter of ACM



Director Information Technology - PAF-KIET

Nov 2016

KIET - Model United Nations, 2016



Director Organizing Committee - PAF-KIET, Dr. Muhammad Khalid Khan (Phd.)

Dec 2016

International Conference on Computing & Information Sciences



Special Contribution Award - PAF-KIET

Aug 2016



Special Appreciation Award - Xtreme Solutions (PVT.) LTD.

Mar 2018