Capt Engr Hassan Kamran, MSc (Retd)

Founder | Project Manager | Computer Scientist | Mechatronics Engineer
capt.pk | [big0.dev](big0.dev)

Personal Statement
Engineering professional with 5+ years of technical leadership in workshop management, software development, & AI/ML projects with a proven track record of managing 50+ personnel & delivering engineering solutions.

Work Experience
Big0.dev — Founder & CEO, Feb 2025 – Current
- Leading a software consultancy delivering AI/ML and IoT solutions for industry clients

CyberX Studio — Project Manager & Tech Lead, Nov 2023 – Nov 2025
- Led website development for AWT, FerroTechnics, CyberX Soft, Emerald IT, Laptop Rental AU, Yontem Teknoloji, Guide to Pakistan, Rawaan Pakistan & other clients
- Developed & deployed internal automation tools such as a system that automatically retrieved new invoices from Intellievent and uploaded them to Xero
- Setup a aviation technician training center in collaboration with Yontem Teknoloji for KPSATS
- Modernized legacy websites & systems
- Managed cross-functional teams of 10-15 developers & support staff using Agile/Scrum
- Built real-time KPI dashboards & analytics solutions for One World Rental
- Created technical roadmaps & secured stakeholder approval for projects

Pakistan Army, EME Corps — Captain (Workshop Officer), Oct 2020 – Oct 2023
- Supervised vehicle & equipment maintenance operations
- Managed team of 50+ technical personnel & maintenance schedules
- Conducted compliance audits & implemented safety improvements
- Coordinated maintenance workflows & resource planning
- Served at 162 C Troops Workshop Company (2020) & 195 Independent Workshop Company (2022)

Publications (ORCID: 0009-0005-3034-1679)
- [FedGAN: Federated Diabetic Retinopathy Image Generation (PLOS ONE)](#)
- Low Cost Agricultural Sprayer Drone Development (IEEE Xplore)

Professional Memberships

Organization	Membership	Year
Pakistan Engineering Council	Registered Engineer	2024
Pakistan Software Export Board	Registered Freelancer	2024

Certifications & Courses

Institute	Issuer	Year
Pakistan Engineering Council	Generative AI Application Developer	2025
Google (Coursera)	Foundations of Project Management	2024
DeepLearning.AI (Coursera)	Build Basic GANs	2023
DeepLearning.AI (Coursera)	Deep Learning Specialization	2021

Education

Institute	Major	Qualification	Year
National University of Computer & Emerging Sciences	Software	Doctor of Philosophy	Sep 28
Bharia University	Business	Master of Business Administration	Sep 28
SZABIST	Management	Master of Project Management	Sep 26
Sir Syed CASE Institute of Technology	Computer Science	Master of Science	Apr 25
Pakistan Military Academy	Leadership	Officer Training	Oct 20
National University of Science & Technology	Mechatronics	Bachelor of Engineering	July 19
St Mary's Academy	Science Subjects	Advanced Level (A Levels)	July 14
Beacon house School System	Science Subjects	Ordinary Level (O Levels)	July 12