

SKILLS

Backend	Front-End
Advanced: C#	Advanced: JS, HTML5, CSS3, Bootstrap
Intermediate: PHP, C++, C, Typescript	Intermediate: React, Vue, XAML, Blazor
Naïve: Java, Nodejs	Naïve: SASS, Tailwind CSS
AI Tools Claude (Anthropic), Cursor, OpenAI Codex	
Database	
Advanced: MSSQL (EF Core) ; Intermediate: MySQL PDO, Postgre; Naïve: MongoDB	
Frameworks .NET Core (MVC and Web API), WPF, Prism, Laravel, React, MVVM (Design pattern)	
APIs AWS, REST, JSON, Canvas JS, Addpipe, Google Maps	
Testing TDD, NUnit, Selenium, Jestjs	
Cloud Services AWS, Firebase, Microsoft Azure	
VCM Git, Bitbucket	
DevOps Docker, CI/CD	

WORK EXPERIENCE

Senior Software Engineer – Softability Oy (Finland)	Sep 2023 – Present
Working on client's projects as a Full Stack Developer using .NET Core, Blazor, WPF (MVVM) and Azure DevOps. Worked on 2 projects with ABB Germany and one with Thermo Fisher Scientific (TFS). Worked 11 months with TFS on ImmunoDiagnostics (IDD); currently engaged on PRIME, an industrial automation solution for TFS's Clinical Diagnostics Division (CDD). Actively leverages AI-assisted development tools (Claude, Cursor, Codex) to increase delivery speed and code quality across projects. (C#, .NET Core, Blazor, WPF, MVVM, Prism, ABP.IO, Vue, PostgreSQL, RabbitMQ, Docker, Azure DevOps, Git, REST)	
Software Engineer – The Swiss Quality Consulting (Remote Germany)	Dec 2022 – Sep 2023
Backend Development using .NET Core. Developed various REST APIs for React Native application. Usage of Firebase and Configuration of application on AWS Lambda (C#, .NET Core, Entity Framework Core, AWS, Firebase)	
Software Development Specialist – Pakistan Army	Apr 2017 – Aug 2023
Developed various projects including Assessment Systems, Training Simulators, and Graphical Info Management Systems in addition to commanding a company size force / team. (C#, WPF, PHP Core and Laravel)	
.NET Web Developer – Paradis ride Inc (Remote US)	Dec 2015 – Mar 2016
Developed a website replica of UBER's driver portal using ASP.NET framework	
Internee – Fauji Fertilizers Company (Pakistan)	June 2015 – July 2015 (6 Weeks)
Studied ERP Systems and In-house Development (ASP.NET).	
Microsoft Student Partner – Microsoft (Pakistan)	Sept 2013 – Sept 2015
Windows Store/Mobile Development, Web Development using .NET Framework	

EDUCATION

Masters in Software and Service Engineering Aalto University, Finland	Aug 2023-In Progress CGPA: 3.5/5.0
Bachelors in Software Engineering University of Engineering and Technology, Taxila	Nov 2012-Sept 2016 CGPA: 3.54/4.0

PUBLICATION

- A game recommender system using collaborative filtering (GAMBIT)

[IEEE Xplore](#)

IEEE Conference Publication - 2 Mar 17

CERTIFICATIONS

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| • Cognex In-Sight Vision Suite Spreadsheet Standard | Cognex | - Jul 2026 |
| • Full Stack Web Development | University of Helsinki | - Jul 2024 |
| • ASP.NET Web Development | FAST University, Islamabad | - Jun 2014 |
| • Windows 8.1 UX Design | Microsoft Virtual Academy | - Nov 2014 |
| • HTML5 App Development Fundamentals | Microsoft Virtual Academy | - Oct 2014 |

ACHIEVEMENTS

- Deployed Software Defined Radio Training Simulator at Army level across country (2018-19).
- Finished as Runner-up in Web Development Event at NESCON, FAST (2015)
- Stood 1st in NASA Space App Challenge 2015
- Won the Best Education Application category in Islamabad Civic Hackathon 2015
- Won the Best Redeployment Application category in Peshawar Civic Hackathon 2014

PROJECTS

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|--|---------------------|
| • PRIME | Dec 2025 – To Date |
| <ul style="list-style-type: none">• Industrial automation solution for Thermo Fisher's Clinical Diagnostics Division (CDD), built on a vast tech stack spanning .NET (ABP/ABP.IO), Vue, hardware simulation, and real hardware integration.• Primary contributor on the Input/Output Sorter module, controlling input sample handling via robotic hardware.• Built GUI features in Vue, including a customized localization framework for the application.• Contributed to migrating the application from ASP.NET Boilerplate to ABP.IO (Volo), using semi-agentic AI tooling (Codex, Cursor) to accelerate the migration and reduce manual refactoring effort.• Covered unit testing, RF testing, and message-driven communication via RabbitMQ, with deployments containerized using Docker.• Azure DevOps used for CI/CD.• Tech Stack: .NET (ABP, ABP.IO/Volo), Vue.js, PostgreSQL (pgAdmin), RabbitMQ, Docker, Azure DevOps, Git. | |
| • Tetris Software | Jan 2025 – Nov 2025 |
| <ul style="list-style-type: none">• Tetris Software being part of Tetris Program (Immuno Diagnostic Division):next generation Phadia.• Building, maintaining, and improving software modules and frameworks of the product.• Worked extensively on Audit Trail feature, implementing blockchain-type hashing for immutability and data integrity being tested for over 10 million records.• Improved and optimize the Settings' framework which can absorb any type and number of settings for the system.• Worked in cross-functional teams across continents; utilised AI coding tools (ChatGPT, Cursor) to speed up development and code review cycles.• Azure DevOps used for CI/CD.• Tech Stack: .NET Core 9.0, Blazor, Azure DevOps, UML, Git. | |
| • DIVA / Engineering Tool | Mar 2024 – Dec 2024 |
| <ul style="list-style-type: none">• R&D based project required development from the scratch for laser ablation.• Protocol developed for communication between the .NET application and the firmware to perform laser ablation using a specialized instruments having a sample stage, high intensity laser, multiple motors to move other components of the instrument. | |

- All the instrument components were being controlled via UI interface – WPF application.
- Azure DevOps used for CI/CD.
- **Tech Stack:** .NET Core 8.0, WPF (MVVM), Azure DevOps, UML, Git.

- **DCS880 / DCS580 Assistants (Drive Composer Pro)** Sept 2023 – Feb 2024

- Added new features and functionality in both the Assistants.
- Extended existing classes and ViewModels to incorporate changing needs.
- Improved App Design (Views, User Controls) in XAML; Adjusting existing design to meet Backend needs.
- Deployed both the assistant on Azure Cloud following CI/CD (used as a user).
- **Tech Stack:** .NET 4.8, WPF (MVVM), Prism, Azure DevOps, Git.

- **New Normal International** Dec 2022 to Sept 2023

- Developed the backend of a mobile application to bridge the gap b/w Provider and Subscriber.
- Provider creates multiple services at various working hours and subscribers book those services in order to get **Video Call** facility to use that service along with a chat feature.
- **Tech Stack:** .NET Core, Entity Framework, AWS S3, RDS, CloudFormation, Firebase, Git.

- **Burraq Assessment System** Jul 2020 to Nov 2020

- Developed as an analytical tool to enable commanders at all levels to ascertain Operational, Training and Administrative proficiency of their outfits through a set of tangible parameters, with a view to capitalizing on strengths and addressing the weaknesses.
- **Tech Stack:** PHP Laravel, MySQL, JavaScript, jQuery, BitBucket.

- **Software Defined Radio Training Aid** Sept 2017 to Apr 2018

- Research-based project for Pakistan Army having its own radio set.
- Designed to assist the users to learn SDR set without physically using it having its own interface through which user can virtually interact with the radio with the help of voice instructions.
- **Tech Stack:** C#, XAML (WPF Application)

- **Drivers Doc for Paradis ride Inc.** Dec 2015 to Feb 2016

- Replica of UBER's driver's portal intended to facilitate the drivers to engage with Paradis ride Inc.
- Drivers globally registers and become Paradis ride Driver upon approval of account.
- Connected Drivers worldwide with a company to manage businesses at both ends.
- **Tech Stack:** C#, MS-SQL, ASP.NET Webforms