

Mohammed Bilal K S

+91-8848638439 | muhammedbilal367@gmail.com

linkedin.com/in/mohammedbilalks | github.com/MUHAMMED-BILAL-KS | mohammedbilal.online

SUMMARY

Software Engineer with 2+ years of experience designing and developing production-grade desktop and web applications across healthcare, medical imaging, and business domains. Skilled in C++, C#, .NET, Python, React, TypeScript, WPF, MVVM, Django, HTML, CSS, JavaScript, REST APIs, SQL, Git, Azure DevOps, Agile, and SDLC. Experienced in building scalable desktop software, responsive websites, and full-stack solutions while delivering enterprise-grade desktop, web, and healthcare applications for real-world clients.

SKILLS

Languages: C++, C#, Python, JavaScript, TypeScript, SQL, Java

Frontend: React.js, HTML5, CSS3, WPF, XAML

Backend: Python, Django, REST APIs

Desktop: .NET, WPF, MVVM, MFC, OpenGL

Tools: Git, GitHub, GitLab, Azure DevOps, Visual Studio, VS Code, PyCharm, Postman

Concepts: OOP, Multithreading, Design Patterns, SDLC, Agile, Software Architecture, Debugging

EXPERIENCE

Software Engineer | Tenser Technology Solutions | June 2024 – Present

- Develop and maintain production-grade healthcare and medical imaging applications using .NET, C#, WPF, React, TypeScript, and Python, delivering new features, performance improvements, and production issue resolutions.
- Designed reusable MVVM-based WPF UserControls, reducing UI duplication and improving maintainability across multiple applications.
- Collaborate with cross-functional teams to integrate imaging, processing, and visualization modules.
- Debug production issues, implement enhancements, and contribute to SRS, SDS, Git, Azure DevOps, and Agile workflows.

PROFESSIONAL PROJECTS

Neuro Surgery Assist Application | C++, C#, .NET, Python, WPF

- Developed reusable WPF UI components and a streaming data application to support real-time data integration.
- Ported Python detection algorithms to C++.
- Implemented feature enhancements and resolved software defects across multiple releases.

- Collaborated with cross-functional teams to integrate imaging and detection workflows.

Desktop DICOM Viewer | C#, .NET, WPF, MVVM

- Developed application layout and secure authentication functionality using WPF and C#.
- Designed reusable UserControls following MVVM architecture to improve maintainability and UI consistency.
- Contributed to the preparation of Software Requirement Specifications (SRS) and Software Design Specifications (SDS).

Web-Based DICOM Viewer | React, TypeScript, Python

- Worked on MPR, slice navigation, windowing, zoom, and pan.
- Investigated and resolved production issues while delivering feature enhancements that improved application stability and user experience.

FREELANCE PROJECTS

Restaurant Management System | C#, .NET, WPF, MVVM, SQLite

- Designed and developed a complete restaurant management system currently used in production by AL ARBANIA Restaurant.
- Implemented billing, order management, token management, expense tracking, order history, sales analytics, and histogram reports.
- Implemented a scalable SQLite-backed architecture supporting secure data storage, automated backup, and seamless synchronization for uninterrupted restaurant operations.
- Developed high-performance Google Drive synchronization for automatic order synchronization and secure database backup.
- Designed robust error handling to ensure stable production performance and real-time monitoring from multiple devices.

Green Ideal Foodstuff Trading Website | HTML, CSS, JavaScript

- Designed, developed, deployed, and currently maintain the official business website for a Dubai-based wholesale and retail food trading company. Live: greenidealfoodstufftrading.com

AL ARBANIA Restaurant Website | HTML, CSS, JavaScript

- Designed, developed, deployed, and continue to maintain the official responsive website for AL ARBANIA Restaurant. Live: alarbania.com

EDUCATION

Bachelor of Computer Applications (BCA)
SH Thevara College | 2023–2026

Diploma in Computer Engineering
GPTC Cherthala | 2021–2024

PORTFOLIO

Portfolio: mohammedbilal.online

GitHub: github.com/MUHAMMED-BILAL-KS

Production Websites : greenidealfoodstufftrading.com, alarbania.com