

Muhammad Nafees Hassan

Contact

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Technical Skills

- D Language
- Java
- C++
- SQL
- Python
- C#
- Pascal – Delphi & Free Pascal
- PHP
- Git CLI
- Bash shell scripting

Familiar With:

- JavaScript
- Lua

Web Development:

- LAMP stack
- CSS & HTML5
- vibe-d, D Language
- Sparkjava

Linux Operating Systems:

- Primary OS since 2016

Embedded Development:

- Arduino
- ATTiny
- PlatformIO

Work Experience

2023 DevOps Intern at Qestra Digital

OSS Contributions

2019 termbox-d
Identified and fixed some bugs

2023 dlang-ods
Added feature to parse merged cells in spreadsheets

Projects

- 2016 - present qscript (D Language) open source
Scripting lagnauge, focusing on extensibility & performance. Features a compiler, and a VM.
- 2017 - present qui (D Language) open source
Text User Interface Library, widgets based, with a focus on need-based-refresh.
- 2017 - 2017 qblog (LAMP, HTML5, CSS) open source (archived)
LAMP based CMS, for blogs. Features a responsive design, using CSS only. Uses a template based approach, to separate structure and style from backend.
- 2018 - present pngtext (D Language) open source
Steganography tool, for hiding data (text or otherwise) into the pixels color data of a PNG image. Utilises qui to provide a UI.
- 2019 - present NaVM (D Language) open source
Easy to use library for creating VMs. Provides bytecode parsing, binary bytecode formats, and execution, with a focus on low execution overhead.
- 2022 - 2024 slowtable (D Language) open source
A set of timetable tools to parse, filter, generate combinations, and view timetables, specific to FAST NUCES Lahore, to help students in registration.

Education

- 2010 - present Self taught programming
- 2017 - 2019 GCE O Levels
- 2019 - 2021 GCE A Levels
- 2021 - present BS Software Engineering, FAST NUCES Lahore (ongoing)

Achievements

- 2019 3 A* 6 A 1 B in O Levels
- 2019 - 2021 1 A* 2 A in A Levels
- 2023 LUMS CodinGuru
2nd place Runner Up in Programming Contest