Amr Bashir

Senior Software Engineer

Passionate about customizing systems and exploring new technologies, continually seeking to innovate and expand my expertise.

Contact information

- Website: https://amrbashir.me
- E-mail: contact@amrbashir.me
- Location: Tanta, Egypt

Work Experience

- CrabNebula (*Nov 2022 - Nov 2024*) - Senior Software Engineer:

  - Maintained the Tauri project as part of the R&D team ensuring robust performance and stability. Gaining a lot of knowledge about operating system APIs especially Windows, X11 and GTK.

  - Worked on a scalable cloud platform using Rust and MongoDB in the backend and SolidJS in the frontend and leveraging the Ory suite (kratos, hydra and keto) for user management and OAuth.

- Freelancing POS mobile app (*Mar 2022 - Jun 2022*):

  - Developed a Flutter Point of Sale (POS) system/application with an admin dashboard for iOS and Android.
  - The system included local server, database and communication between different devices.

Open-source Experience

- Tauri (*Since 2021*) - Core working-group member and maintainer. Tauri is a framework to build cross-platform application using web technologies.

- **Hijri Widget** - Android widget application for displaying The Hijri date.
- **kal** - Keyboard app launcher and productivity tool for Windows.
- **vite-plugin-tauri** - A Vite plugin to integrate Tauri in an existing Vite project to build cross-platform apps.
- **amrbashir.me** - My personal website using Astro.

Skills

Programming Languages

Rust, JavaScript/TypeScript, PowerShell, Bash, Kotlin, C/C++, Python, Dart

Back-end Technologies

Axum, MongoDB, SQLite, Docker, Node.js, Deno, GitHub Actions, Cloudflare Workers

Front-end Frameworks

Vue.js, SolidJS, React, Astro

Desktop applications Technologies

Tauri, Electron, Win32, GTK

Mobile applications Technologies

Kotlin and Jetpack Compose, Dart and Flutter

Design Skills

Figma, Adobe Photoshop, Adobe Illustrator, Inkscape

Education

- Bachelor in English Literature (*2016 - 2020*)

  Faculty of Languages and Translation, Al-Azhar University

Languages

- Arabic (Native)
- English (Fluent)