Amr Bashir

Fullstack Software Engineer

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

Contact Information

- **Website:** amrbashir.me
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- **Location:** Tanta, Egypt

Work Experience

erp-system *(June 2025 - July 2025)* — Fullstack Engineer, Freelance

- Implemented ERP system for local store in Egypt (storage, invoices, customers, transactions)
- Backend: tRPC, PostgreSQL, Prisma
- Frontend: React, Vite, TanStack Router, TanStack Query, tRPC, i18next

CrabNebula *(Mar 2025 - Apr 2025)* — Windows Software Engineer, Freelance

- Added Windows features to Tauri app
- Interfaced with Microsoft Excel via COM APIs
- Integrated app as OS-wide sidebar

CrabNebula *(Nov 2022 - Nov 2024)* — R&D Software Engineer

- Maintained Tauri project for performance and stability
- Gained experience with Windows, X11, GTK APIs
- Developed scalable cloud platform (Rust, Axum, Rspc, MongoDB, SolidJS)

- Implemented endpoints and UI
- Contributed to user management (Ory suite: kratos, hydra, keto)

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

- Developed Flutter POS system for iOS/Android with admin dashboard
- Built local server, database, device communication

Open-source Experience

- **Tauri** (since 2021): Core working-group member, maintainer. Cross-platform app framework.
- **Hijri Widget**: Android widget for Hijri date (2K users)
- **kal**: Keyboard-driven app launcher for Windows
- **komorebi-switcher**: Workspace switcher for Komorebi tiling WM, Windows 10/11
- **vite-plugin-tauri**: Vite plugin for Tauri integration
- **amrbashir.me**: Personal website (Astro)

Skills

- **Programming Languages:** JavaScript, TypeScript, Rust, PowerShell, Bash, Kotlin, C, C++, Python, Dart
- **Back-end:** Node.js, Express.js, Prisma, Postgres, tRPC, NestJS, Axum, MongoDB, SQLite, Docker, Deno, GitHub Actions, Cloudflare Workers
- **Front-end:** React, Vue.js, SolidJS, Astro
- **Desktop:** Tauri, Electron, Win32, GTK
- **Mobile:** Kotlin, Jetpack Compose, Dart, Flutter
- **Design:** 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)