MAHMOUD SAMY EL METAINY

Software Developer

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SUMMARY

Self-driven software developer with over 8 years of experience building backend services, desktop applications, and full-stack solutions. Comfortable working across the entire stack with hand-on experience in leading technical efforts with small teams. Currently developing esports tournament solutions, real-time streaming tools, and event management systems. Passionate about writing clean, maintainable code, with a strong curiosity for architecture patterns and a drive to keep learning.

PROFESSIONAL EXPERIENCE

Jan 2024 - Present

Technical Lead

GL Esports

- Lead architecture and development of the event management platform across frontend, dashboard, mobile app, and backend
- Architected real-time systems using NestJS, Prisma, and Socket.io for live score tracking
- Handled deployment and infrastructure from Linux VPSs, Docker setup, to CI/CD pipelines
- Built NestJS event ticketing system with QR code generation, check-in workflows, and real-time attendee management
- Developed and maintained a custom Frappe application for the accounting team to manage internal financial workflows
- Developed and maintained Electron desktop applications integrated with Node.js backends
- Define technical direction and code standards across projects

Apr 2020 - Jan 2024

Backend Developer

GL Esports

- Built an event management platform using Node.js/NestJS where users compete in games, complete activities, and track scores on live leaderboards
- Created Node.js/Express APIs serving as the bridge between desktop apps, Vue.js dashboards, and frontend clients
- Built internal backend services and desktop application to support broadcast production
- Developed multiple Electron desktop applications for stream control, overlay management, and data synchronization during live broadcasts
- Integrated with gaming APIs (League of Legends, PUBG, Dota 2) for automated match data and player statistics
- Built multiple Electron desktop tools that integrate with our backend services
- Created email newsletter system with scheduling, templating, and subscriber management
- Worked on multiple Vue.js dashboard and webapps

Jan 2018 - Mar 2019
Backend Developer
ABC Hosting LTD

- Maintained and extended PHP/Symfony backend systems for the hosting platform
- Actively worked on customer management modules in the company's codebase
- Gained hands-on experience with Linux servers, SSH, Git workflows, and GitLab CI/CD
- Worked on current issues or potential ones while actively refactoring legacy code

Feb 2015 - Jul 2020
Software Developer
Self-Employed / Freelance

- Developed a mobile application for tax collectors at the Chamber of Commerce
- Worked on a ticket-booking platform for Cairo Transportation Authority
- Created custom CMS systems and payment integrations using PHP and Laravel
- Delivered multiple smaller Android applications focused on user experience

Sept 2014 - Aug 2015
Android Developer
Inmaa Solutions

- Collaborated with a team on UI/UX design and API integration
- Developed a health and fitness Android application connecting users with medical professionals
- Working on multiple features including Q&A system, articles, and subscription-based system

April 2012 - Aug 2017
Co-Founder
Max Bound

- Built custom C# desktop applications to streamline accounting and inventory tracking
- Developed custom accounting and inventory tracking tools to streamline daily operations
- Managed revenue tracking, stock control decisions, and wholesale and retail coordination
- Gained practical experience running a small business

PROFESSIONAL SKILLS

Languages

- HTML5
- CSS3
- JavaScript
- TypeScript
- PHP
- Lua

Frameworks & Libraries

- Node.js
- Express.js
- Vue.js
- NestJS
- Electron
- Vuetify
- Laravel
- Frappe
- Astro

Databases

- MySQL
- MariaDB
- MongoDB
- PostgreSQL
- Prisma ORM
- Redis

Tools & Platforms

- Git & GitHub
- Linux
- Oracle VirtualBox

- GitHub Actions
- Proxmox
- Docker & Docker Compose

SOFT SKILLS

- Highly organized
- Curiosity and self-learning
- Leadership and mentoring
- Team management

- Project management
- Time management
- Adaptable to new technologies
- Passionate about technology

EDUCATION

Oct 2008 - May 2012

Bachelor in Management Information Systems

Misr Higher Institute for Engineering and Technology

LANGUAGES

- **Arabic** Native
- **English** Very Good (Writing - Reading)