Yassen Tambakti

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Tripoli, Libya

EDUCATION

University of Tripoli   *2021 - Present*
B.S. | *Computer Science*   *Tripoli, Libya*

EXPERIENCE

Fullstack Developer   *April 2025 – Present*
Kevelop

- Took over an existing Next.js + PostgreSQL codebase, leading all backend and frontend development independently.
- Redesigned database schema and API routes; implemented new UI features from Figma designs.
- Collaborated with a designer while owning all engineering decisions with minimal oversight.

Lead Backend Developer - Part Time   *January 2025 – Present*
University of Tripoli

- Designed and implemented a scalable backend in Go for the university's new website, currently in development.
- Made all major technical decisions, including API design, database modeling, and system architecture.
- Collaborated with a React frontend team while supervising junior developers and reviewing frontend code.
- Coordinated with stakeholders to align backend functionality with institutional goals and timelines.

PROJECTS

Anubis (Automated Competitive Programming Judge)

- Developed an automated competitive programming judge capable of evaluating code submissions in multiple languages.
- Implemented secure sandboxing techniques to safely execute untrusted user code and prevent system breaches.
- Integrated problem parsing, time and memory limit enforcement, and result reporting with detailed feedback.
- Designed with scalability in mind to handle concurrent submissions and real-time result updates.
- Open-sourced on GitHub, facilitating community contributions and continuous improvement.

SimpleDigital (Digital Circuits Simulator)

- Developed a digital circuits simulator in C++ to model and analyze basic electronic components.
- Implemented features to simulate logic gates, flip-flops, and simple combinational circuits.
- Designed with a user-friendly interface using Raylib.

FileShare (File Sharing Server)

- Developed a file hosting server in Go to facilitate secure and efficient file sharing within office environments.
- Integrated htmx for dynamic web interactions and Tailwind for responsive design.
- Implemented features like user authentication, file versioning, and access control to enhance collaboration.

AWARDS

Libyan collegiate programming contest 2024 finalist

- Won 5th place in the 2024 LCPC, and qualified for the 2024 Arab collegiate programming contest (ACPC).

SKILLS

Expertise: Linux & NixOS System Administration, Full-Stack Web Development, Backend Architecture & API Design, Automation & Scripting, UI/UX Collaboration, Data Collection & Processing

Languages: Go, C/C++, Lua, TypeScript, Python, Rust, Bash