

Taufiq Zayyad

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- ✓ Full Stack Developer experienced in developing and deploying Web systems E2E in a MERN environment in Python with Flask, including working in a production environment (Nginx, AWS Lightsail)
- ✓ Experienced in real time system development (WebSockets), designing and implementing REST APIs, managing databases (SQL, MongoDB) and integrating security mechanisms (Auth0)
- ✓ System design capabilities, systemic perspective alongside attention to detail, problem-solving and resolving complex faults
- ✓ Working well independently and within a team in an Agile environment, self-learning, training abilities, performing multiple tasks in adherence with deadlines, excellent interpersonal skills

PROFESSIONAL EXPERIENCE:

- 2025: **Full Stack Developer, CS50x Final Project (Harvard University)** [GitHub](#) | [Demo](#)
- Developing Web systems E2E for content management (posts and comments) including client/server-side
 - Server-side development in Python and Flask, including utilizing REST API and managing business logics
 - Designing and managing DB in SQLite, including user models, posts and comments
 - Implementing user authentication and management mechanisms, including using Cookies for session management
 - Client-side development in React and Vite while utilizing Styled Components, including a dynamic user interface
 - Applying sorting and filtering mechanisms by date and comments for improving user experience
 - Improving performance through client-side caching and data management
- 2023: **Full Stack Developer, (as part of Bootcamp), Makesapp** [GitHub](#) (Program on behalf of Appleseeds)
- Developing and deploying MERN-based Web applications, working E2E on both server and client-side as well as spearheading deployment in a production environment in Lightsail (Linux) with Nginx settings
 - Developing a chat system in real time through WebSockets, managing two-way communications between client and server-side
 - Designing and implementing REST API, defining endpoints and managing data flow between system components
 - Designing and defining data models in MongoDB through Mongoose, including applying CRUD actions and managing data access
 - Spearheading system integration and security through Auth0, including applying authentication mechanisms and managing permissions
 - Improving client-side through resolving faults, including implementing data within the user interface
 - Working in a development team in accordance with Agile methodology alongside code management through Git and GitHub, including working with branches, code merging and resolving merge conflicts
 - ✓ Only developer in the team performing full deployment, including documenting and formulating developer training content [Demo](#)
- 2023: **Full Stack Developer, Independent Project** [GitHub](#) | [Demo](#)
- Developing a Web application for maintaining free server availability through a keep-alive mechanism based on reading timers
 - Designing and managing server requests (HTTP request), command over timing the requests and optimizing data transfer
 - Processing and managing server responses, updating the application status and presenting data in real time
 - Resolving errors and irregularities for improving system stability
 - Developing a user interface in React and TypeScript while utilizing Material UI as well as designing the UI
 - Managing client-side data storage for saving user information and preferences
 - Independent development E2E, designing the architecture, implementing logics and solving complex problems

TECHNOLOGICAL SKILLS:

- ✓ Programming Languages: C | C# | Java | Python | TypeScript | JavaScript
- ✓ Frontend: Material UI | Styled Components | Vite | Redux | React | CSS | HTML
- ✓ Backend: REST APIs | Flask | Express.js | Node.js
- ✓ Databases: SQLite | MySQL | MongoDB
- ✓ Tools & Technologies: Shell (Bash/CMD) | Auth0 | JWT | WebSockets | Postman | GitHub | Git
- ✓ Cloud & DevOps: Linux | Nginx | AWS Lightsail
- ✓ Methodologies: Agile

EDUCATION & PROFESSIONAL COURSES:

2025-pres: Practical Software Engineer, Technion - Israel Institute of Technology, GPA – 95.8 (First Semester

2025: CS50x Introduction to Computer Science, Harvard University Graduated with Honors

- A prestigious course comprising computer science fundamentals: algorithms, data structures and problem solving with low graduation rates among students

2023: Data Structures & Algorithms, Zero To Mastery (ZTM)

2022-2023: Full Stack (MERN), Appleseeds

- A practical certification program in E2E Web system development

LANGUAGES:

Arabic – Mother Tongue / Native | Hebrew – Mother Tongue / Native Level | English – Mother Tongue / Native Level |

German – Highly Proficient