

# Chakib OUZANE

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## Education

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| <b>MSc</b> | <b>Master's degree in Computer Science</b><br><b>ESI SBA (l'École Supérieure d'Informatique - Sidi Bel Abbès)</b><br><b>Specialty:</b> Computer Systems Engineering (ISI)       | 2020 – 2025<br>Sidi Bel Abbès, Algeria |
| <b>Eng</b> | <b>State Engineer Degree in Computer Science</b><br><b>ESI SBA (l'École Supérieure d'Informatique - Sidi Bel Abbès)</b><br><b>Specialty:</b> Computer Systems Engineering (ISI) | 2020 – 2025<br>Sidi Bel Abbès, Algeria |
| <b>BAC</b> | <b>Baccalaureate Diploma</b><br><b>Branch:</b> Mathematics  | 09/2020<br>Sidi Bel Abbès, Algeria     |

## Professional experience

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| <b>Internship at CESI LINEACT Research Lab</b> , Network security  | 2025<br>Aix-en-Provence, France |
| <ul style="list-style-type: none"><li>Comprehensive literature review of Researches on security in IoT Networks.</li><li>Simulation of Flooding Attacks on RPL networks in IoT, and possible mitigation techniques using Federated Learning.</li></ul>   |                                 |
| <b>GSH (Groupe Sociétés HASNAOUI)</b> , Network security & Software Ingeneering  | 2023<br>Sidi Bel Abbès, Algeria |
| <ul style="list-style-type: none"><li>Experimentation with the SOPHOS software by setting up virtual environments to test its features.</li><li>Created the initial version of the Sodea website (Next + Sanity), a subsidiary of GSH. You can view my work here: <a href="https://github.com/ch33kaboo/sodea">github.com/ch33kaboo/sodea</a> 🔗.</li></ul> |                                 |


## Projects

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| <b>Tic Tac Fun</b>   | 03/2025<br><a href="https://tictacfun.live">tictacfun.live</a> 🔗   |
| <ul style="list-style-type: none"><li>A collection of Tic-Tac-Toe game variations, built with modern web techs.</li><li>Technologies used: SvelteKit, Svelte 5, Tailwind, Supabase.</li></ul>  |  |
| <b>Jeunesse Volontaire</b>   | 2024<br><a href="https://jeunessevolontairesba.dz">jeunessevolontairesba.dz</a> 🔗  |
| <ul style="list-style-type: none"><li>A Website + Platform built for an environmental organization.</li><li>Technologies used: SvelteKit &amp; Svelte, Supabase, Sanity CMS, Zod, Tailwind.</li></ul>  |  |
| <b>Alphabit Club Community Website</b>   | 2023<br><a href="https://github.com/ch33kaboo/alphabit-website">github.com/ch33kaboo/alphabit-website</a> 🔗                          |
| <ul style="list-style-type: none"><li>Developed a website for the AlphaBit Club community, visitors can explore the club's events, partners, blog, podcasts, and other information.</li><li>Technologies used: Svelte, Tailwind CSS, DaisyUI, Github as a CMS, Fetch API.</li></ul>  |  |
| <b>Alphabit Club Official Website</b>  | 2023<br><a href="https://www.alphabit.club">www.alphabit.club</a> 🔗  |
| <ul style="list-style-type: none"><li>I worked with a team to develop a website for the AlphaBit Club, main goal was to attract companies to finance the club events.</li><li>Technologies used: React, Tailwind CSS, Headless UI, Firebase, Axios.</li></ul>                        |  |
| <b>Innovium</b>  | 03/2023 - 06/2023<br><a href="https://github.com/boite-informatique/startup-front">github.com/boite-informatique/startup-front</a> 🔗 |
| <ul style="list-style-type: none"><li>A web application to digitize the application process for startups and final-year projects, developed as part of my 3<sup>rd</sup> year in a team.</li><li>Technologies used: Svelte TypeScript, Tailwind CSS, DaisyUI, svelte-i18n.</li></ul> |  |

## ESI Hub

- Contributed to the backend development of a social network platform for students at ESI SBA, developed as part of my 2<sup>nd</sup> year in a team.
- Technologies used: Node.js, Express, MongoDB, Mongoose, JWT, Multer, Socket.io, Nodemailer, Joi (schema validation).

03/2022 - 06/2022  
[github.com/boite-informatique/esi-hub-backend](https://github.com/boite-informatique/esi-hub-backend) 

## Organizations

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### Alphabit Club - Software Developer

- Member of the development team responsible for creating and maintaining the Alphabit website, authoring hackathon challenges, and performing other technical tasks during events.

2022 - 2024  
[alphabit.club](https://alphabit.club) 

### Internationale Jugendgemeinschaftsdienste (ijgd)

- Completed ijgd training (Germany) on youth work and group leadership, allowing me to lead international workcamps in Germany and other EU countries.

2024  
[www.ijgd.de](https://www.ijgd.de) 

## Skills

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**Languages:** JavaScript, TypeScript, Python, SQL.

**Frontend:** Svelte & SvelteKit, React, Tailwind CSS.

**Backend:** Node.js, Express.js, NestJS.

**Databases:** Supabase, MongoDB, PostgreSQL, Redis.

**Tools & Other:** Git & GitHub, Docker, Vercel & Netlify, Linux & Scripting.

**IT Systems:** Networking, IoT.

## Languages

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### Arabic

Native language

### English

Fluent

### French

TCF C1 - Advanced level

### German

Goethe-Zertifikat B1

## Volunteering

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### EYE 2025 (European Youth Event)

Participation in the European Youth Event organized by European Parliament in Strasbourg, France.

### Jeunesse Volontaire (2016 - 2024)

A local environmental and social action organization in Algeria.

### IJGD - Camp for Future (08/2018)

A volunteer workcamp focused on anti-coal activism, organized at the Hambach Forest, Germany.

### IJGD (08/2019 - 09/2019)

A volunteer workcamp in Bärnau-Tachov, Germany, for the maintenance of a local historical park.

### IJGD (08/2023 - 09/2023)

A volunteer workcamp in Neunkirchen, Germany, to assist with the showcasing of art exhibitions.

### IJGD (08/2024 - 09/2024)

A workcamp leader for "Your summer at a green oasis" workcamp, Gahlen, Germany.

## Interests

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Cybersecurity, Internet Freedom, FOSS (Free Open Source Software), Web3, Football, Geography, Sustainability, Traveling and discovering other cultures.