

Firas Glai *Software Engineer*

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👤 Profile

Junior Software Engineer with almost 2 years of experience designing, developing, and implementing scalable and secure web applications. Expert in JavaScript, TypeScript, Java, and PHP, I have successfully transformed clients ideas into concrete solutions. Passionate about innovation, I currently specialize in developing web and mobile applications powered by artificial intelligence. In addition to my technical expertise, I have managed projects similarly to a Project Manager, defining milestones and sprints using the Scrum methodology to ensure efficient and structured development.

📁 Professional Experience

Software Engineering Developer, *Growth Fusion*

10/2024 – present

Ecoline Web :

Bizerte, Tunis

- Built a secure video streaming backend with *Laravel* and *Mux*, reducing load times by 30% and ensuring content protection.
- Developed a high-performance *React.js* client hosted on Vercel, achieving a 92% PageSpeed Insights score and boosting session duration by 25% through lazy loading and dynamic imports.
- Implemented CI/CD pipelines with *GitHub Actions*, cutting deployment errors by 40% and accelerating release cycles by 20%.

End-of-studies internship - Software engineering Intern, *3S Spring Services & Solutions*

02/2024 – 08/2024

3S-Internships:

Ariana, Tunisia

- Translated *Figma* designs into interactive, mobile-responsive interfaces using *React* and *Tailwind CSS*, contributing to a 25% reduction in design-to-deployment time.
- Delivered key features such as an **interactive Kanban project management tool**, a **workspace-switching calendar**, and **real-time video chat** functionality between staff and interns/candidates, boosting team coordination and productivity.

Front End Developer, *RedDiamond*

10/2023 – 05/2024

Reddiamond Backstage :

Bizerte, Tunis

- Architected and developed a modular front-end interface for a **music label management platform** using *React.js*, enabling the onboarding of 20+ artists and content managers.
- Integrated **interactive dashboards** with *Chart.js* for real-time analytics on artist performance, streams, and revenue trends, enhancing decision-making efficiency.

Reddiamond Accounting :

- Designed and deployed comprehensive **financial management modules** — including product tracking, cost analysis, and invoicing — enabling the automation of accounting workflows and reducing manual input errors by 40%.
- Utilized *Zustand* and *TanStack Query* for state management and caching optimization, improving data-fetching efficiency by 35% and reducing server load during peak usage.

Software Engineering Intern, *Digit -R*

07/2023 – 09/2023

- Designed and deployed an **appointment management system** using *Angular* and *Spring Boot*, reducing scheduling conflicts and improving booking efficiency by 50%.
- Integrated an **interactive calendar** with real-time notifications, streamlining user coordination and boosting operational efficiency across departments.

End-of-studies internship – Front End Developer Intern, *BFI Group*

01/2020 – 07/2020

- Built a **digital marketing platform** with *Angular* (front-end) and *Spring Boot* (back-end), supporting campaign tracking and performance analytics through **Power BI dashboards**, enhancing marketing insight and reporting for stakeholders.

Education

Computer Systems and Software Engineering,

Ecole Polytechnique Internationale Privée de Tunis

2021 – 2025

Lac 1, Tunis, Tunisia

Bachelor's Degree in Computer Systems and Software, University of Carthage, ISSAT Mateur

2017 – 2020

Mateur, Bizerte, Tunisie

Baccalaureate in Computer Science, Lycée Bach Hamba

2014 – 2017

Bizerte, Tunisia

Projects

Real-time video chat solution, Freelancer – Bookme.fans

03/2023 – 05/2023

- Integrated the Amazon Chime SDK into a Node.js backend and developed a client interface in React.js to enable real-time video.
- Technologies used : React, Node.js, AWS Chime.

E-commerce Microservices, Academic project

02/2021 – 04/2021

- Designed and implemented microservices covering authentication, order processing and product management on an e-commerce platform.
- Technologies used : Node.js, Docker, RabbitMQ, MongoDB, API Gateway.

Skills

Languages & Frameworks

- JavaScript, TypeScript, Java, Php, React.js, Angular, Node.js, Express, Laravel, Spring Boot

Tools & Technologies

- HTML, CSS, SASS, Tailwind CSS, Git, Docker, CI/CD, Amazon AWS, Agile/Scrum, RESTful APIs, MySQL

Languages

Arabic: Native

English: IELTS - B2

French

Certificates

IELTS — B2 Level

AWS - Cloud Practitioner - Foundational — This certification validates cloud fluency and foundational AWS knowledge.

Interests

Technical Interests

- Building custom automation workflows with **n8n** and integrating **AI agents**.
- Contributing to **open-source projects** to advance development tools and automation ecosystems.

Physical and Personal Development Activities

- Swimming
- Reading Self Help Books