

YOUSSEF BOUROUROU

Software Developer | Team Lead

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Summary

Results-driven Backend Team Lead and Scrum Master with expertise in architecting and delivering scalable multi-tenant SaaS platforms. Specialized in **NodeJS, NestJS, PostgreSQL, MongoDB**, and clean architecture principles, with strong experience in **real-time collaboration, CI/CD automation, and Agile leadership**. Proven ability to guide cross-functional teams, resolve technical and process bottlenecks, and deliver high-quality products on schedule. Skilled mentor and educator with a background in teaching web development, fostering growth in both junior and senior engineers.

Experience

TAM - Project Management Tool

Sousse, Tunisia

Team Lead

10/2023 - Present

- Facilitated Agile ceremonies for a cross-functional team of backend, frontend, and QA engineers.
- Led backend development for a multi-tenant project management SaaS, implementing role-based permissions, custom fields, and real-time document collaboration.
- Designed and optimized backend systems using NestJS, PostgreSQL, and MongoDB for high availability, scalability, and performance.
- Built advanced RBAC and permission management for secure and granular user access control.
- Developed real-time collaboration features with WebSockets and Yjs for synchronous editing and live updates.
- Optimized complex PostgreSQL queries with indexing, reducing execution time by up to 60%.
- Automated deployments and improved CI/CD pipelines with Docker and GitHub Actions, reducing release time by 40%.
- Integrated performance monitoring and alerting with Grafana, Prometheus, and Loki, proactively identifying and resolving bottlenecks.
- Facilitated Agile ceremonies including sprint planning, daily stand-ups, and retrospectives for a cross-functional team.
- Improved sprint velocity and reduced post-release bugs by implementing process improvements and enhancing backlog grooming.
- Acted as the primary bridge between stakeholders and developers, ensuring clarity in requirements and quick resolution of blockers.
- Mentored backend developers, promoting clean architecture, high code quality, and maintainable practices.

Softylines

Sousse, Tunisia

Project Leader / Team Lead

09/2022 - Present

- Led multiple projects from concept to delivery, managing cross-functional teams.
- Developed Boumiza platform.
- Built a URL redirect/link shortener project similar to Bitly.
- Created Messaho, a messaging/chat platform.
- Designed and implemented an AI-powered chatbot.
- Developed a Code Reviewer project to assist in automated code analysis and feedback.
- Oversaw project planning, task prioritization, and ensured timely delivery using Agile methodologies.

Web School

Sousse, Tunisia

Software Developer

09/2022 - 09/2023

- Developed interactive, user-friendly interfaces for a school management platform using React.js, Redux.js, and TypeScript.
- Built and maintained the Smart Calendar, enabling efficient scheduling for students, teachers, and school events.
- Developed the admin panel to manage all user types, including students, teachers, and school staff.
- Implemented features for school management, such as user access control, data monitoring, and reporting.
- Collaborated with the team to optimize workflows and ensure smooth operation of school management processes.
- Worked with React, Node.js, MongoDB to deliver scalable and user-friendly solutions.

Softy Skills

Sousse, Tunisia

Instructor

05/2023 - Present

- Designed and delivered practical courses on HTML, CSS, JavaScript, and React, using project-based learning.
- Guided students in building real-world portfolios to kickstart their web development careers.

Freelance

Sousse, Tunisia

Full Stack Developer

05/2020 - 08/2022

- Built and maintained full-stack web applications using JavaScript, Node.js, and React.
- Delivered custom solutions for small businesses, focusing on scalability and usability.

Projects

TAM - Project Management Tool

tamdone.com

TAM is a multi-tenant project management tool that helps teams organize tasks, manage workspaces, track progress, and collaborate in real time with customizable fields, roles, and views.

Web School - ERP

webschool.tn

Web School is a SaaS platform for managing schools, providing dedicated interfaces for students, teachers, parents, and staff to handle courses, classrooms, timelines, and overall school administration.

Education

Horizon School of Digital Technologies - Tunisia

09/2022 - 06/2025

Licence in Computer Science

Institut Supérieur d'informatique de Mahdia

01/2019 - 01/2022

Licence in Computer Systems Engineering