

Ram Khammessi

Software Engineer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL EXPERIENCE

Fullstack Developer Intern

Sharing Technologies – Tunis, Tunisia

Apr 2024 – Oct 2024

- Developed **INT-Elegance**, a modular MERN (MongoDB, Express.js, React.js, Node.js) platform that reduced delivery time by 20%.
- Designed and implemented a **task management module with Redux state management**, improving project completion rates by 30%.
- Integrated **AI-driven semantic search** into the React frontend for faster and smarter knowledge retrieval.
- Built **CI/CD pipelines using Docker, GitLab CI, and AWS**, accelerating deployments and improving system stability.
- Collaborated closely with **DevOps, UI/UX, and QA teams** within an Agile Scrum framework. .

Fullstack Developer Intern

Tunisair – Tunis, Tunisia

Mar 2023 – Sep 2023

- Engineered a custom flight management system (Angular, Express.js, MySQL) saving 30+ hours/month in manual work.
- Enhanced system scalability and frontend load time (40% faster) via API optimization.
- Implemented secure access controls (OAuth2, JWT, CSRF) aligned with enterprise standards.
- Participated in sprint planning, standups, and Agile retrospectives.

TECHNICAL PROJECTS

Anti-Fraud Healthcare Monitoring System (*Solo developer*)

Jan 2024 – Mar 2024

- Built a **Node.js & React.js system to detect fraudulent healthcare transactions** analyzing claim data for anomalies and irregular patterns. Automated service deployments and test coverage via **Jenkins**, Docker, and custom scripts, achieving 90% test execution reliability.
- Implemented **rule-based detection algorithms and real-time alerts** reducing false positives by 25%.
- Integrated a secure backend with **PostgreSQL and Redis caching** to optimize high-frequency transaction queries.
- Applied concepts from **AML and financial fraud prevention**, directly transferable to fintech monitoring use cases.

Exchange Web Application *(Team of 4)*

Sep 2023 – Dec 2023

- Built a multi-service exchange platform with **React, Node.js, and MongoDB**, including integration of **AWS Lambda functions** for offloaded backend tasks and early blockchain interaction for token-based validation.
- Automated service deployments and test coverage via **Jenkins**, Docker, and custom scripts, achieving 90% test execution reliability.
- Centralized version control across modules, achieving 99.9% code consistency.

Job-Seeking Platform *(Lead Developer)*

Feb 2022 – Jul 2022

- Created a full-featured job portal (Symfony, Spring Boot, React Native) reducing applicant friction by 35%.
- Led Agile ceremonies and team coordination, increasing development velocity by 40%.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Java, Python, PHP, Go, C#/.NET, C/C++, SQL
- **Frontend:** Angular, React, Next.js
- **Backend:** Node.js, Express.js, Spring Boot, Django, Laravel, Symfony
- **DevOps & Cloud:** Docker, Jenkins, Kubernetes, AWS (EC2, S3), Grafana, Nginx, Nexus
- **Databases:** MySQL, PostgreSQL, MongoDB, Neo4j, NoSQL
- **Version Control / Tools:** Git, GitHub, GitLab, Bitbucket, Jira, Postman, Swagger
- **Methodologies:** Agile/Scrum, RESTful API Design, MVC, Microservices Architecture

EDUCATION

Engineering Degree in Computer Science

ESPRIT – Private Higher School of Engineering and Technology, Ariana, Tunisia

Sep 2021 – Jul 2024

Bachelor's Degree in Computer Science

ISSET CHARGUIA - The Institut Supérieur des Études Technologiques de Charguia,

Sep 2016 – Jul 2019

LANGUAGES

- Arabic – Native
- English – Fluent
- French – Fluent
- Japanese – Intermediate