Khaled Briki

AI & Software Engineer

Ariana, Tunisia
Available for full-time & contract roles

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SUMMARY

Computer engineering student (TEK-UP, class of 2027) with 3+ years of shipped web and mobile work. Builds ML-backed products end to end: FastAPI model services (XGBoost, Isolation Forest, zero-shot vision, local LLMs) plus the React, React Native, Laravel and Node.js systems around them. Comfortable owning a feature from data and model to API, UI and deployment.

SKILLS

AI / ML	Python, FastAPI model services, scikit-learn (Isolation Forest), XGBoost, zero-shot vision (Marqo FashionSigLIP), U^2-Net / rembg segmentation, Ollama local LLM inference, DeepSeek API, RAG (AstraDB, MiniLM embeddings), YOLOv8/YOLOv11, MLflow
Back-end & data	Laravel (PHP), Node.js / Express, Spring Boot, Golang (Gin, Fiber), REST, JWT & RBAC, PostgreSQL, MySQL, SQLite, SQLAlchemy, Drizzle ORM, MinIO (S3), Docker
Front-end & mobile	React 19, Vue.js 3, React Native / Expo, TypeScript, Tailwind CSS, Astro, Inertia.js, Tauri v2 (Rust), WebSockets
Practices	GitFlow, API design, cross-browser QA, SEO, performance optimisation

SELECTED PROJECTS

Safar Chain · veterinary antibiotic traceability + marketplace (hackathon, Chain & Brain Ed. 2) — React Native · FastAPI · XGBoost · Ollama

- Built the Python/FastAPI ML service: Isolation Forest anomaly detection on prescribing patterns and XGBoost demand forecasting.
- Integrated local Ollama (phi3:mini) inference for offline veterinary guidance; Node/Express API with JWT and role-based access for five user roles.

Closet · mobile AI stylist and wardrobe BI (capstone, team of 3) — React Native · FastAPI · PostgreSQL · MinIO

- Zero-shot garment classification with FashionSigLIP and U^2-Net background removal (rembg); images stored on S3-compatible MinIO.
- Weather-synced outfit engine and BI dashboards (style score, cost-per-wear, under-worn items) on Python 3.12 FastAPI microservices with Docker.

DraftCoach · real-time League of Legends companion (team project) — Tauri v2 · Rust · React · DeepSeek

- Hybrid decision engine: <30 ms local rule engine plus DeepSeek V4 Flash LLM reasoning for builds and counter-picks; live sync with the League Client WebSocket API.
- Rust/Tauri desktop shell with transparent in-game HUD; installer 97% smaller than the Electron baseline (74 MB to 2 MB).

StockFlow · offline-first desktop inventory system — Tauri v2 · Rust · React 19 · SQLite

- Embedded SQLite via Drizzle ORM with automated backups; multi-warehouse stock, invoicing and sales analytics for small retailers.

EXPERIENCE

Full-Stack Developer · Dev Ocean — Dec 2022 – May 2024 · Tunisia

- Shipped 30+ Vue.js components and Laravel/React/React Native features across client products.
- Redesigned REST APIs, cutting latency by 80% and improving overall system performance by 30%; mobile optimisations cut load times by 20%.

Full-Stack Developer (Laravel & Vue.js) · AS2E Automation — Feb – May 2024 · Tunis

- Built the company platform from scratch with Vue.js, Laravel and Inertia.js; SEO work drove +30% organic traffic and +20% keyword rankings.

Full-Stack Developer (React Native & Spring Boot) · CSFTH — Jul – Aug 2025 · Tabarka

- Cross-platform mobile UI in React Native backed by secure Spring Boot REST services and relational models.

React Native Developer · Lexi.tn — Jun – Oct 2023 · Tunisia

- Custom React Native components (+20% app responsiveness), 30% code-efficiency gain, 20+ critical bugs resolved.

Earlier: Freelance React Native Developer (2024) · WordPress Developer, Espace Chaawani (2026) · Computer System Technician, Direct Telecom (2022–2023) · Co-founder, Aresmanga manga localisation platform, top-15k global traffic (2021–2022).

EDUCATION

Engineer's Degree, Computer Engineering · TEK-UP
Sep 2024 – Jun 2027 · software architecture, distributed systems, intelligent systems

Bachelor's, Information Technology · ISET Jendouba
Sep 2021 – Jun 2024

COMMUNITY & LANGUAGES

Technical Lead, Google Developer Student Club · ISET Jendouba
2023 – 2024 · Vue.js and web workshops for 80+ students, campus hackathon

Arabic (native) · English (full professional) · French (limited working) · German (elementary)