

# CHAREF BAHRIA

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## Summary

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**Full Stack Engineer** with 5+ years building production SaaS and client-facing APIs. **Shipped end-to-end products:** multi-tenant auth platform, marketing site, image processing pipeline, contract AI system, and Salesforce integration API. Known for owning technical decisions, managing ambiguous briefs, and mentoring. **Chancenkarte holder. Available Immediately.**

## Work Experience

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### ThatAPICompany

#### Senior Full Stack Software Engineer

Remote

April 2022 – May 2026

Software agency & SaaS studio. Led end-to-end delivery of multiple products and client engagements, owning scope, architecture, and delivery in a lean team.

- **TheAuthAPI** : Built multi-tenant auth SaaS end-to-end (NestJS backend, React frontend, GCP infra, TypeScript SDKs). Designed API key management system with rate limiting. Architected BigQuery analytics pipeline. SDKs reduced integration time by 40%.
- **TheDogAPI Middleware**: Designed and built two decoupled NestJS services orchestrating multi-stage processing pipeline. Session management, 5-image uploads to GCS, state persistence. Pub/Sub async processing with retry logic and dead letter queue for visibility.
- **TheCatAPI / TheDogAPI Sites**: Shipped multilingual (EN/ES) marketing site in SvelteKit with interactive API demos, pricing, signup flow. Implemented i18n system with slug-based translation keys. Static generation to Vercel.
- **Enterprise Client A (Legal Tech)**: Built LLM contract redlining backend using LangChain + Gemini. Implemented RAG with prompt chaining, LangSmith observability. OnlyOffice loader bug fix merged upstream as LangChainJS PR #7421. Collaborated on Jira integration.
- **Enterprise Client B (Medical Imaging Parts)**: Built REST API connecting distributors to Salesforce.DDD + CQRS architecture. API versioning for multiple deployments. Managed client integration and documentation. GCP Cloud Run with GitHub Actions CI/CD.
- Event-driven PHP/TypeScript backends with Sentry/CloudWatch observability. Mentored team on code quality; architecture patterns became team reference material.

### Gmd

#### Full Stack Developer

Remote

May 2021 – March 2022

E-commerce platform, cross-functional team of 6 developers + PM.

- Built TypeScript/Apollo/GraphQL APIs optimizing data retrieval for hundreds of SKUs. Developed Python OCR pipeline reducing invoice entry time by 70%. Built image compression (60% reduction) improving field staff upload speed.

## Education

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### University of Boumerdes

#### Bachelor, Computer Science

September 2018 – June 2021

- Bachelor Thesis: Analyzed real-world sales time-series data and implemented ARIMA forecasting models in Python to predict purchasing and demand trends, supporting business decision-making in inventory planning and sales optimization.

## Skills

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**Backend:** TypeScript, Node.js, NestJS, PHP, Python | **Frontend:** React, Next.js, SvelteKit

**Databases:** PostgreSQL, MySQL, BigQuery, Redis

**Cloud/Infra:** GCP (Cloud Run, Storage, Vision, Pub/Sub, DLP), AWS, Docker, CI/CD

**Architecture:** Microservices, Event-driven, DDD, CQRS, SDKs

**Other:** LangChain, GraphQL, REST, Jest, Sentry

## Languages

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- **English:** C1
- **German:** A2
- **French:** B1