

TAHAR BELGHITRI

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 4+ years of experience building scalable, high-performance web applications. Experienced across modern frontend frameworks, backend architecture, databases, real-time systems, and infrastructure. Strong focus on TypeScript, Node.js, Bun, React, PostgreSQL, system design, and distributed application architecture. Experienced in designing production systems, building REST and real-time APIs, optimizing database performance, implementing observability, and deploying applications on Linux-based infrastructure.

TECHNICAL SKILLS

- **Frontend:** React, Next.js, TypeScript, JavaScript, SolidJS, SolidStart, Tailwind CSS, Vite, TanStack Query
- **Backend:** Node.js, Bun, ElysiaJS, Express, Fastify, REST API Development, Backend Architecture, System Design, Microservices
- **Databases & Messaging:** PostgreSQL, MongoDB, Redis, RabbitMQ, Database Design, Caching & Session Management
- **APIs & Real-Time:** REST, GraphQL, tRPC, WebSockets, Socket.IO, OpenAPI / Swagger
- **Observability:** Prometheus, Grafana, Loki, OpenTelemetry, Umami, SigNoz, Structured Logging
- **DevOps & Infrastructure:** Docker, Linux, Nginx, Git

PROFESSIONAL EXPERIENCE

Remote Full-Stack Developer | Freelance / Remote Contracts (Present)

- Architected high-traffic e-commerce platforms handling thousands of orders, including real-time inventory synchronization with third-party delivery APIs and automated email workflows.
- Designed scalable backend services using Node.js, ElysiaJS, PostgreSQL, and Redis, with emphasis on API performance, database optimization, and maintainable architecture.
- Built dynamic, SEO-optimized frontend applications using Next.js, React, focusing on performance, responsive UX, and efficient client-side data management.
- Designed and deployed production infrastructure using Docker, Linux, Nginx, PM2, and VPS environments.
- Implemented application monitoring and structured logging using tools such as Prometheus, Grafana, Loki, OpenTelemetry, and SigNoz.

Full-Stack Software Engineer | CodeCraft DZ, Algiers, Algeria (2022 – 2024)

- Developed and maintained production web applications for regional clients, focusing on scalability, performance, security, and maintainable architecture.
- Designed backend architectures, REST/GraphQL APIs, database schemas, authentication systems, and service integrations.
- Worked with TypeScript, Node.js, React, PostgreSQL, MongoDB, Redis, and Docker across multiple projects.
- Conducted code reviews and contributed to engineering standards covering TypeScript, API design, testing, security, and system architecture.

Freelance Full-Stack Developer | Self-Employed (2021 – 2022)

- Delivered end-to-end web applications for international clients, including dashboards, automation platforms, data-driven applications, and custom developer tooling.
- Developed reusable TypeScript/JavaScript packages and backend services for client-specific requirements.
- Managed development, deployment, debugging, and maintenance across Linux-based production environments.

KEY PROJECTS

- **High-Traffic E-commerce Platform:** Designed and developed a full-stack e-commerce platform supporting high traffic and thousands of orders, with delivery-provider API synchronization, order management, automated email workflows, and operational analytics.
- **Full-Stack Marketplace:** Built an end-to-end marketplace with secure authentication, relational data models, complex database relationships, product management, and responsive frontend interfaces.
- **Real-Time Video Conferencing Platform:** Developed a Zoom-like communication platform using WebSockets and Socket.IO, implementing real-time communication, session management, and low-latency client-server interactions.
- **AI-Powered Web Application:** Integrated LLM APIs, RAG, embeddings, semantic search, and AI-driven application workflows into a production web application, with supporting backend services and cloud deployment.
- **Data Collection Dashboard:** Engineered a data visualization and management dashboard for large-scale web-scraping data, providing clients with tools to analyze, filter, and monitor collected datasets.
- **Instagram Automation Dashboard:** Built an administration platform for managing and monitoring automation bots, including dashboards, operational controls, and activity monitoring.
- **Privacy Policy Tracker:** Developed a B2B platform for monitoring privacy-policy changes from major technology companies and organizing updates into a searchable interface.
- **React State Management Library:** Designed and published a custom npm package for React state management, exploring concepts inspired by React's internal architecture and state-update mechanisms.

EDUCATION

- **B.Sc. General Physics** — Chuvash State University, Russia (2023 – 2027)
- **Russian Language Program** — Cheboksary Institute of Moscow Polytechnic, Russia (2022 – 2023)
- **B.Sc. Biology** — University of Tlemcen Abou Bekr Belkaid, Algeria (2018 – 2022)

LANGUAGES

Arabic: Native | **English:** Professional Working Proficiency (C1) | **French:** Intermediate (B1) | **Russian:** Intermediate (B1)