BUILDLOG · CV

Khaled Ebdelli

SENIOR FULL STACK ENGINEER

Node.js · React · TypeScript · Software architecture · AI-assisted engineering

linkedin.com/in/khaled-e-716288158 · github.com/ebdkhdev · build-log-coral.vercel.app · Paris, France · Remote

10 years of full stack experience

−60% deployment time (Datatys)

−40% latency (DigiCash)

4 + 1 developers and DevOps led

PROFILE

Full stack JavaScript / TypeScript software engineer with 10 years of experience designing, building and evolving complex web applications, with React.js and Node.js at the core of my career. I own features end to end, from requirements to production: architecture, technical choices, implementation, testing and delivery.

Former lead developer of a multi-tenant IoT SaaS built from scratch, I have delivered in demanding environments: regulated healthcare, banking (PCI DSS), the public sector and fintech. I practise structured AI-assisted engineering (Claude Code, Spec Kit, Elephant Fish, Atomic Changes) where specifications, architecture and code reviews stay under control. Used to working autonomously with distributed teams in English.

CORE SKILLS

Frontend	React.js, TypeScript, Redux, TanStack Query, Next.js — complex business UIs, real-time dashboards, accessibility (RGAA / WCAG).
Backend	Node.js, Express, NestJS — REST and GraphQL APIs, OpenAPI contracts, OAuth2 / JWT, RBAC.
Architecture	Modular and event-driven architectures, AWS Lambda serverless, multi-tenant SaaS, monorepos — ADRs and design reviews.
Data	PostgreSQL, TimescaleDB, pgvector, Redis / BullMQ, Prisma — indexing, partitioning, query optimisation.
Cloud & DevOps	AWS, Docker, Kubernetes / Helm, Terraform, Ansible — GitHub Actions, GitLab CI, CircleCI, Jenkins.
Quality & AI	Jest, Vitest, Playwright, code review — LLM API integration, semantic search, RAG with pgvector, MCP.

AI-ASSISTED SOFTWARE ENGINEERING

I use AI as an engineering assistant inside a disciplined process, not as a code generator: every step is reviewed and validated by me.

Specify before coding

Spec-Driven Development with Spec Kit and Claude Code: requirements, technical design and task plan validated before implementation.

Challenge the design

Elephant Fish built into the workflow to review the design before any code is written.

Ship atomic changes

Small, coherent, independent changes: short pull requests, fast reviews, regressions easy to isolate.

Harden delivery

AI applied to tests, documentation and refactoring to raise code quality and maintainability.

PROFESSIONAL EXPERIENCE

Full Stack Engineer — GE HealthCare

Mar 2025 – Oct 2026

Buc, France · Contract · 3D medical imaging application (DICOM), regulated environment (HIPAA, ISO), built on Imaging Fabric, GE HealthCare's medical imaging software platform (MPR, MIP, volume rendering) shared by clinical applications such as BreView and CardIQ Suite.

- React features for performance-critical imaging workflows: management and fragmentation of DICOM series.
- Integration of the segmentation results produced by GE's AI models into the application.
- Features owned end to end: design with architects and Product Owners, implementation, Jest tests, code reviews, CI/CD delivery.

`React` `TypeScript` `Imaging Fabric` `Jest` `CI/CD`

Full Stack Engineer — Société Générale

Sep 2023 – Dec 2024

Val-de-Fontenay · Permanent · Team of 5 · Secure banking applications, web and mobile (PCI DSS)

- React / TypeScript interfaces and a React Native mobile application with Expo.
- Contribution to Spring Boot services exposed through versioned OpenAPI contracts.
- Continuous delivery with GitLab CI/CD, Jenkins and Docker.

`React` `TypeScript` `React Native` `Expo` `React Query` `Spring Boot` `OpenAPI` `GitLab CI/CD` `Docker`

Full Stack & DevOps Developer — CISIRH

Sep 2022 – Sep 2023

Paris · Permanent · French Ministry of Economy · RIGA, the inter-ministerial tool for reporting and statistical tracking of strikes in the state civil service, in production at the DGAFP and two ministries.

- Design of the Node.js / NestJS API on PostgreSQL (Prisma) for complex business workflows, including the data model.
- React / Next.js front end, compliant with French accessibility standards (RGAA).
- Industrialised delivery: containerisation and automated deployment (GitLab CI, Jenkins, Ansible, Kubernetes / Helm).
- Mentoring junior developers on Node.js and React.

`Node.js` `NestJS` `React` `Next.js` `PostgreSQL` `Prisma` `Docker` `Kubernetes`

Lead Full Stack & DevOps Developer — Cementys · SOCOTEC Monitoring France

May 2020 – Jun 2022

Palaiseau · Permanent · Datatys, infrastructure monitoring SaaS built from scratch: sensor data from tunnels, bridges, dams and railway tracks, real-time dashboards and 24/7 threshold alerts. Now offered as BlueTrust Monitoring.

- Technical lead of a team of 4 developers and 1 DevOps alongside the Product Owner: architecture, sprint planning, code reviews, ADRs.
- Core application plus event-driven AWS Lambda services for alert thresholds and SMS / email / push notifications.
- Node.js / Express GraphQL API; sensor time series modelled and stored in TimescaleDB.
- Real-time React dashboards, customised for each client.
- Infrastructure as code (Terraform, Ansible) and CircleCI pipelines: deployment time cut by more than 60%.

`Node.js` `Express` `GraphQL` `React` `TypeScript` `AWS Lambda` `TimescaleDB` `Terraform` `CircleCI`

Full Stack JavaScript Developer — Digicash · DigitUs

Jan 2017 – Oct 2019

Tunis · Permanent · DigiCash, La Poste Tunisienne's digital wallet (e-Dinar), launched in March 2017: transaction monitoring dashboard, PrestaShop plugin, TayaraPay and a merchant web platform.

- Transaction monitoring dashboard in AngularJS 1.x on a Node.js / Express and PostgreSQL backend, then migrated to React / Redux.
- TayaraPay and a merchant web platform in React and Node.js / Express; PrestaShop plugin in PHP (Smarty).
- Secure Node.js backend: OAuth2 / JWT authentication, RBAC, audit logging; real-time updates with Socket.IO.
- PostgreSQL optimisation (indexing, partitioning) and Redis caching: latency reduced by 40%.
- Deployment on AWS EC2, automated with Ansible.

`React` `Redux` `AngularJS` `Node.js` `Express` `Socket.IO` `PostgreSQL` `Redis` `PHP` `AWS EC2` `Ansible`

PERSONAL PROJECTS

Accessly — Automated web accessibility testing & audit SaaS IN DEVELOPMENT

Since Nov 2026

Multi-tenant SaaS that scans websites and web apps, detects gaps against RGAA 4.1.2 and WCAG 2.1 / 2.2, and returns actionable results for developers, product teams and auditors.

- 14 specification documents before implementation (vision, requirements, architecture, API, security, testing, ADRs).
- Playwright + axe-core scanning engine on a BullMQ / Redis worker, with live progress; Turborepo monorepo with a NestJS API, React front end, PostgreSQL / Prisma and S3 storage.
- Security by design: isolated scanner behind an egress proxy (SSRF protection), non-root Docker images, GitHub Actions CI.

`TypeScript` `NestJS` `React` `PostgreSQL` `Redis` `Playwright` `Docker`

Dropflow — Multi-vendor e-commerce SaaS

2026

Multi-vendor e-commerce platform built spec-first with Claude Code, with semantic product search and LLM-powered features.

- Design review with Elephant Fish, task breakdown and implementation with Spec Kit; RAG and semantic product search (pgvector).
- Turborepo monorepo: NestJS / Prisma and Spring Boot microservices, Next.js 15 / React 19 front end, Playwright E2E tests, GitHub Actions CI with rollback, Terraform on AWS.

`TypeScript` `NestJS` `Spring Boot` `Next.js` `PostgreSQL` `Terraform` `AWS`

BuildLog — Personal website: projects, revision notes and job tracking

2026

Nuxt website in French and English with a TresJS 3D scene, GSAP and Motion animations and Lenis scrolling; data layer ready to switch to a NestJS API. `build-log-coral.vercel.app`

`Nuxt` `Vue` `TypeScript` `Tailwind CSS` `GSAP` `TresJS`

EDUCATION, CERTIFICATIONS & LANGUAGES

2017 **Master's-level Engineering Degree in Computer Science** — ESPRIT, Tunisia

2026 **AI Engineer (LLMs, RAG, agents)**

2020 **ReactJS Certified** — Pentalog

LANGUAGES French: fluent · English: professional working proficiency