

# Guillaume Crespel

Pragmatic solutions designer with business impact.

C(P)TO & freelance developer, I support startups in creating innovative products from A to Z.

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## Skills

### I bring to your product

#### Scalability

Cloud-native architectures that evolve with your growth without costly refactoring

#### Business

Technical decisions that optimize costs and accelerate time-to-market

#### Vision

Pragmatic solutions that avoid over-engineering and deliver value quickly

### I integrate into your team

#### Pragmatism

Focus on solutions that solve real problems, not imaginary ones

#### Prioritization

Concentration on high-impact tasks that move the project forward quickly

#### Leadership

Technical mentoring and team facilitation to maximize collective productivity

## Experience

## Interim CTO

2025-01-01 - Present

### Cockpit Agriculture - Nantes, Pays de la Loire, France

Development of a SaaS platform for economic management for farmers, aiming to digitize their financial data and optimize their profitability.

- Design and development of a modern and pragmatic architecture using React, TypeScript and Supabase
- Implementation of an OCR system and generative AI for automated extraction of financial data
- Setting up a scalable and secure cloud infrastructure
- Development of an intuitive user interface with real-time data visualizations and charts
- Implementation of financial analysis features and profitability optimization
- Technical leadership of a development team
- Conducting user interviews to validate needs and improve user experience
- Definition of product roadmap and development priorities
- Development of technical strategy and architectural choices
- Contribution to business plan development and overall strategy

Technical leadership and product vision

Team management and recruitment

Software architecture and technology choices

Full-stack development

Artificial intelligence and data processing

Agile project management

Communication and client relations

## Co-founder & Developer

2018-02-01 - Present

### uni rakun - Nantes region, France

From CTO to CTO: My journey of supporting startups from 0 to 10. After 8 years of experience as a freelance developer, I had the privilege of accompanying several entrepreneurs in their product creation adventure. What excites me? Transforming a vision into technical reality while building a solid team.

- Accompaniment of several entrepreneurs in their product creation adventure
- Technical development: Robust architecture, adapted technological choices, and maintainable code
- Product: Focus on user experience and scalability
- Team: Recruitment and training of talented developers
- Pragmatic approach: Prioritize simple and effective solutions
- Clear communication: Translate technical to business
- Long-term vision: Build to last

Technical leadership

Entrepreneur accompaniment

Robust architecture

Technological choices

Recruitment and training

Technical communication

Product vision

Scalability

## Senior Frontend Developer

2024-04-01 - 2025-06-01

### Decathlon France - Nantes, Pays de la Loire, France

Objective: build a small team to redefine Decathlon World's checkout system!

- Creation of a modular frontend to adapt to different use cases for each country

- Design and implementation of hexagonal architecture within a DDD context
- Communication with various peripherals such as RFID bins
- Integration of services within existing hardware with a Kubernetes environment
- Respected test pyramid through E2E and integration testing

Hexagonal architecture

Domain Driven Design (DDD)

Peripheral communication

Hardware integration

E2E and integration testing

Modular frontend development

## Full Stack Developer

2022-02-01 - 2024-03-01

Societe Generale Corporate and Investment Banking - SGCIB - Nantes, Pays de la Loire, France

The team I joined within SG Market execution develops a set of applications that serve as a B2B marketplace for financial products.

- UX thinking
- Frontend optimization
- Feature development
- E2E test implementation

Full-stack development

Frontend optimization

E2E testing

B2B marketplace

Financial products

## Web Developer

2019-03-01 - 2022-01-01

DARVA - Nantes region, France

DARVA is a company expert in web solutions and EDI (Electronic Data Interchange) based in Niort and intended for all professional players in insurance. With Fabien JUIF, we help the BI service facilitate access and governance of "claims data" for Darva collaborators as well as insurance industry players.

- Development of NodeJS batches for storing insurer data
- Creation of user interfaces with the ReactJS ecosystem
- Facilitation of access and governance of claims data
- Collaboration with the BI service

Full-stack development

Data processing

Data governance

User interface development

Collaboration with business teams

## Frontend Developer

2018-07-01 - 2019-03-01

Metroscope - Paris region, France

Metroscope is a startup, subsidiary of the EDF group, composed of about ten people. With Fabien JUIF, we implemented and continue to develop the Metroscope product on the Front-End remotely. Once secured and in production, we trained our successors so they could be autonomous on the implemented stack.

- Front-End development
- Assistance with product ergonomics
- Interviews and choice of successors

- Training of successors
- Securing and putting into production

Frontend development

Ergonomics and UX

Training and knowledge transfer

Recruitment

Production deployment

## NodeJS Trainer

2018-10-01 - 2018-10-01

DARVA - Niort region, France

DARVA is a company expert in web solutions and EDI (Electronic Data Interchange) based in Niort and intended for all professional players in insurance. I intervened in the BI service to train them in server-side Javascript development with NodeJS.

- Training over 3 weeks with theory and practice
- Training on the basics of Javascript ES6 syntax
- Explanation of the NodeJS engine and its core modules
- Training on asynchronism
- Training on stream usage
- Training on various tools: Koa2, mongoDB, socket.io
- Creation of a game API at the end of training

Technical training

Pedagogy

Knowledge transfer

NodeJS development

Javascript ES6

## Software Architecture Consultant

2018-03-01 - 2018-06-01

Metroscope - Paris region, France

Metroscope is a startup, subsidiary of the EDF group, composed of about ten people. With Fabien JUIF, we challenged their MVP to produce a first version on a solid and efficient stack.

- Reflection on database structure
- Reflection on appropriate Front-end and Back-End technologies to use
- Implementation of Front-End and Back-End technical foundation
- Implementation of CI/CD
- Assistance with agile project management (scrum)

Software architecture

Technology choices

CI/CD implementation

Agile project management

Scrum

Database design

## Lead Developer - Frontend

2016-10-01 - 2018-01-01

SANTECLAIR - Nantes region, France

Santéclair is a mutual insurance network with an IT department of 20 people. I was their technical Front-End manager for the development of web/mobile applications to help access healthcare.

- Training teams in these new technologies
- Partnership contact with companies enabling online booking (Pages Jaunes, MonDocteur, Doctolib)
- Actor in the company's agile transformation
- Actor in the evolution of processes and CI platform

- Development of the TrouvTonDoc application: geolocation of healthcare professionals, RAC calculation, online appointment booking
- Development of the Devis Dentaire application: online dental quote with simplified ergonomics and RAC calculation
- Development of the Telemedicine application: connecting an insured person with services like MesDocteurs

Technical leadership

Team training

Partnership management

Company agile transformation

Process evolution

Mobile application development

Open source contributions

## Lead Full Stack Developer

2016-03-01 - 2016-06-01

CMC (Creative Media Consulting) - ContentFlow - Paris region, France

ContentFlow is a platform connecting major accounts with advertising agencies. I worked during the product initialization to produce a coherent MEAN stack.

- Implementation of technical architecture on a MEAN stack
- Front and back development of the application
- Implementation of code quality tools

MEAN architecture

Full-stack development

Implementation of quality tools

Product initialization

## Lead Full Stack Developer

2015-07-01 - 2016-03-01

Ministry of Solidarity and Health - Nantes region, France

SIAO is the French Integrated Reception and Orientation Service. I intervened for their needs regarding social emergencies, the 115.

- Implementation of a modern and coherent technical stack
- Challenge on the ergonomics of the Front-End part with SIAO teams
- Implementation of CI/CD
- Training of Back-End and Front-End development teams

Modern architecture

Ergonomics and UX

CI/CD implementation

Team training

Full-stack development

## Developer / Ops

2010-05-01 - 2012-04-01

CGI - France

For the Reinette project at LaPoste in a 50-person Service Center, I carried out missions within the TMA for managing La Poste's account and center repositories.

- Design and implementation of various application architectures
- Implementation of frameworks such as Spring, Struts, Hibernate, as well as proprietary LAPOSTE frameworks
- Management of continuous integration platforms, implementation of deployment scripts, creation of deliverables
- Management of Apache Tomcat and IBM Websphere components
- Feature estimation
- Supervision of a development team

Application architecture

Platform management

Continuous integration

Deployment

Estimation

Team supervision

## Technologies

### State Management

● Redux Toolkit (42m)

● Zustand (15m)

### Frontend

● Astro (90m)

● Next.js (90m)

● React (108m)

● React Router v7 (26m)

### Testing

● Playwright (48m)

● Cypress (35m)

● Jest (25m)

● Vitest (41m)

### styling

● Sass (108m)

● Tailwind CSS (22m)

### language

● JavaScript (51m)

● TypeScript (83m)

### Backend

● Node.js (46m)

● hono (7m)

### Database

● Elasticsearch (26m)

● MongoDB (39m)

● Redis (26m)

● PostgreSQL (22m)

● Pinecone (7m)

### container

● Ansible (26m)

● Docker (25m)

● Kubernetes (24m)

● Terraform (26m)

### Cloud

● Azure (26m)

● AWS (0m)

● Google Cloud (0m)

### vcs

● Git (235m)

● GitHub (115m)

### design

● Figma (48m)

### api

● GraphQL (125m)

### baas

● Firebase (90m)

● Supabase (7m)

## hosting

● Heroku (9m)

● Netlify (7m)

● Vercel (7m)

## monitoring

● Grafana (33m)

● Prometheus (26m)

● Datadog (15m)

● Sentry (7m)

## security

● JWT (73m)

● OAuth 2.0 (73m)

## ai

● Anthropic Claude (7m)

● Hugging Face (7m)

● LangChain (7m)

● MCP (Model Context Protocol) (7m)

● Mistral (7m)

● NLP (Natural Language Processing) (7m)

● OpenAI API (7m)

● RAG (Retrieval-Augmented Generation) (7m)

● Vibe Coding (7m)

## build

● Vite (108m)