

Fullstack Developer

Monocursive
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38 years old

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Profile

Fullstack developer with 14 years of experience building production systems — from fintech compliance platforms to IoT devices. I specialize in bringing order to complex backends (Node.js, Elixir, Rust) and shipping polished React/React Native interfaces. I've led teams, conducted 100+ technical interviews, and thrive in environments where code quality and velocity coexist.

Key achievements

Founded & shipped Hubfluencer — solo-built a generative AI video platform from architecture to app stores, including a custom Rust/FFmpeg rendering pipeline

Passed compliance audits — led Mastercard integration and PCI-DSS alignment for a German banking partner

Delivered for high-stakes environments — built backend systems for EDF nuclear site inventory management

Scaled and led teams — recruited and managed up to 8 engineers; conducted 100+ technical interviews across multiple companies

Full-stack IoT delivery — designed security models, built backends, and shipped hardware prototypes (ESP32/Rust) for connected devices

Experience

Fullstack consultant, SASU Monocursive, remote – December 2022 - now

- **Hubfluencer** : Built and launched a generative AI platform for short-form marketing videos, from architecture to app store. Designed a durable agent pipeline handling async video generation workflows with real-time progress via WebSockets. Developed a custom rendering engine in Rust and FFmpeg to optimize output quality and processing speed. Shipped a cross-platform app (iOS/Android) with React Native.

Achieved 90% test coverage with minimal mocking — tests run in parallel against isolated Postgres instances, enabling confident deployments.

Elixir, Bun.js, Fly.io, React Native, Tailwind/NativeWind, TanStack Query, AI model fine-tuning, FFmpeg/Rust

- **EDF - On site - Jul 2024 - Jan 2025:** Delivered the backend for an inventory management system used across nuclear facilities. Designed serverless workflows with AWS StepFunctions to orchestrate complex multi-step processes. Established testing standards that reduced regression issues and accelerated code review cycles.
Node.js/TypeScript, AWS Lambda, StepFunctions, Terraform, PostgreSQL

- **Fintech Makers - Remote- Nov 2023 - May 2024:** Led the Mastercard integration and guided the platform through a compliance audit for a German banking partner. Migrated a legacy Laravel monolith to a modern Node.js API with a React dashboard, improving maintainability and test coverage. Ensured PCI-DSS alignment throughout the architecture.

Node.js/TypeScript, Golang, React, React Query, Zustand, PostgreSQL

- **ComboHR - Remote - with 3 days per month on site - Dec 2022 - Oct 2023:** Integrated French labor law calculations into the core product — a complex domain requiring precise state management. Built a TDD-driven Ruby on Rails Engine backed by a PostgreSQL state machine, enabling auditable transitions and rollback capabilities.

Ruby on Rails, postgres, nodeJS/Typescript, GCP

Senior developer/Tech lead, Lunii, remote – April 2022 - November 2022

Joined to rescue a struggling frontend and launch a new IoT product line. Rebuilt the React architecture, migrating from Gatsby/GraphQL to Next.js/REST — cutting build times and simplifying the data layer. Led a team of 4 on a connected children's device: designed the security model (device authentication, encrypted firmware updates), built the backend in Node.js, and delivered a working hardware prototype in Rust on ESP32. Mentored junior developers on secure coding practices and introduced structured code review processes.

Stack: Node.js, React, Next.js, TypeScript, Rust, ESP32, Kubernetes/GCP

Domain: Educational IoT devices

Senior developer, Innovorder, remote – January 2021 - April 2022

Owned the UberEats integration into the point-of-sale system — coordinating order sync, menu mapping, and error handling across two complex platforms. Reduced PR review friction by building an automated test environment that spun up per pull request. Initiated frontend modernization: migrated from monolithic Redux to a split-store pattern, improving state isolation and developer experience.

Stack: nodeJS, React, Typescript, Rust, DDD, Kubernetes on GCP, Lean agile.

Domain: Restaurant tech / POS systems.

Senior developer, Prestashop, remote – July 2019 - August 2020

Part of the team adapting PrestaShop for SaaS delivery. Focused on scalability (multi-tenant isolation, resource limits) and security hardening. Designed admin panels with user feedback loops — iterated through testing to improve task completion rates. Implemented a CQRS backend using Event Store, enabling audit trails and temporal queries across merchant data.

Stack: nodeJS, VueJS, Typescript, event-store, CQRS, Kubernetes on GCP.

Domain: Open-source e-commerce (1M+ active merchants globally)

Lead developer, Mylight Systems, Saint Priest, on Site – Jan 2018 - June 2019

Brought an outsourced IoT solution back in-house. Recruited and led a team of 8 engineers to modernize a solar energy monitoring platform — spanning embedded firmware, data pipelines, control dashboards, and alerting.

Redesigned the mobile app from scratch, improving field technician workflows and reducing support tickets.

Stack: NodeJS, Python, React, Typescript, Azure.

Domain: Renewable energy / Solar monitoring

Freelance – 2012 - 2018

delivered end-to-end solutions for 10+ clients across industries — from marketing sites to enterprise applications.

Notable projects:

- **Casino Group**: Internal tooling for retail operations

- **Hewlett Packard**: Support workflow automation

- **Situation (own product)**: Location-based community app — designed, built, and launched independently (discontinued)

Stack: Ruby on Rails, Elixir, Node.js, React, React Native, PostgreSQL, Redis, Docker

Education

Jean Monnet University, Saint-Etienne – Web projects management and design licence, ATII - 2012

Skills

Applied methodology on testing, agile development and a strong expertise in production. An eye for the user experience and I love to make UI be a unique experience.

Hobbies

- My dog, Tux, he's the best.

- Music: I play bass, guitar and MAO.

- Electronic DIY projects