Guillaume Besson

Fullstack Developer

📍 Lyon, France

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For more than 10+ years, I worked with companies and enabled them to scale their team while maintaining stellar shipping pace. Between missions, I founded Activi, a web agency specialized in high-scale interactivity solutions. RoundGames is its main product: a web quiz game I built from scratch hosting real-time games with 25k+ concurrent players.

I also participate in a number of open-source libraries and products which are available on my Github profile.

WORK EXPERIENCE

Freelance Web FullStack Developer
(December 2011 - Present)
Freelance

I help startups build and scale their product. High scale systems and live-video streaming are my main area of expertise. I mostly use NodeJS / React / PostgreSQL and Redis but I've used many more when the need arise.

Skiff
(February 2021 - September 2022)
Staff Full-stack developer

Built Skiff Pages, an end to end encrypted rich text document editing tool, and Skiff Mail, an E2EE email platform. Scaled the platforms, setup internal processes while scaling from 4 to 20 developers, data and code architecture. Technologies: GraphQL, NodeJS, Typescript, CRDT, YJs, React, PostgreSQL, Redis, AWS.Built

🔗 https://skiff.com

VacationRenter
(November 2017 - January 2020)
Full-stack developer

Designed and implemented the base structure of the engine searching through multiple external providers inventory (Airbnb, Booking, VRBO and others). Built part of the front-end app with React and Redux. Integrated external APIs with multiples worker services to scrape and copy the inventory data. Deployed the infrastructure on Google Cloud with Kubernetes.

🔗 https://vacationrenter.com

Onfocus
(September 2016 - September 2017)
Lead Fullstack developer

Built OnfocusIQ, a data analytics dashboard used by our clients to take better decisions in their ad related questions. It analyzes data generated by a script we include on their websites. This script is loaded 50M+ times per month.

Streamup
(March 2015 - June 2016)
Full-stack developer

Joined Streamup to quickly respond to the hyper growth of user on the platform. Implemented a custom live-chat distributed platform in NodeJS with Redis. Deployed to AWS with auto-scaling to handle peaks of 300k+ concurrent users. Released as open-source on Github. Built the replacement for the old Flash live-video player, with a Redis based HTML5/JS custom player playing HLS streams. Deployed a in-house video CDN in 10+ countries around the world, optimizing for best service and lowest cost.

GlobeVIP
(June 2013 - December 2013)
Full-stack developer

Build a image similarity detection distributed system with NodeJS, MongoDB and Redis for the backend and AngularJS for the frontend. Deployed this system on a AWS to quickly scrape and parse 10+ millions of pages and analyze each images against a shared image corpus.

PROJECTS

Soundsync
In-home audio broadcasting software

Soundsync is an open-souce web and native app to manage real-time audio streams between multiple devices on the same local network. It groups different devices and their audio output together to broadcast the same audio stream in sync. It's built with NodeJS and React. WebRTC / WebAudio / WASM / N-API

🔗 https://soundsync.app/

RoundGames
Web quiz game optimized for large audience

RoundGames is a real-time quiz game platform. It's used by many high-reach streamers on Twitch to play with their viewers. It has hosted games with more than 35k simultaneous players responding to each question in 5 seconds. The game logic is simple and accessible by any new players very quickly. This makes RoundGames the ideal platform to host a live contest.

🔗 https://round.games

VOLUNTEER EXPERIENCE

BoostInLyon
(July 2016 - November 2020)
Technical advisor for incubees

BoostInLyon was a local startup incubator. It helped 100+ early-stage companies build their first product and reach their first customers. I advised many of them in their technological decisions, recruitment and managements questions.

SKILLS

Javascript / Typescript	NodeJS	React	PostgreSQL
Expert	Expert	Expert	Expert
Redis	**GraphQL**	**C / C++**	**NoSQL**
Expert	Expert	Proficient	Proficient
WebAudio	**Offline first apps (CRDT)**	**Rust**	
Proficient	Proficient	Basic understanding	

LANGUAGES

French
Native

English
Full professional proficiency