SACHA DAVID

Senior Frontend Architect
& Fullstack Engineer

ABOUT & CONTACT

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🌐 EN(native), HE(basic)

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PERSONAL SKILLS

- Initiative
- Problem Solving
- Independence
- Adaptability
- Communication
- Teamwork
- Learning Agility

TECHNICAL SKILLS

Frontend	Vue.js (primary), React, TypeScript, Javascript, SCSS, CSS, HTML, Websockets
Architecture	Frontend architecture, JSON-schema-driven Ui's, Microfrontends, modular SDK's, JS packages
Backend	Node js, Python. Flask, Rest API's
Devops & Tools	Docker, Docker Compose, Redis, CI/CD, Git
Other	Real-time CV pipelines, medical SDKs, camera tuning, state machines, SVG precision overlays

EDUCATION

Elevation Academy (2016 - 2016)
Intense bootcamp for computer programming

LA ORT College (2013 - 2014)
Associates degree in Digital Media & frontend development

University of Brighton (2005 - 2008)
Bsc (hons) in Building Surveying

OVERVIEW

Fullstack Engineer (Frontend-Focused) with 9+ years of experience building high-performance web platforms and internal tools. Specialized in modern frontend frameworks like **Vue.js**, **React**, and **TypeScript**, with strong backend support using **Node.js** and **Python**. Experienced in designing **scalable** architectures, **optimizing UX**, and delivering production-ready features under tight timelines. Proven ability to lead projects across early-stage startups and **scaling** tech companies. Passionate about frontend engineering that drives real product value and user engagement.

EXPERIENCE

Senior Fullstack Engineer & Web Architect

Seekwell / Luna / 6over6 (acquired & rebranded)

Jun 2016 – Present

Architect and lead developer for all frontend projects, SDKs, and internal tools across multiple product lines in a med-tech environment. Specialized in camera-based real-time detection,clinical-grade web applications/sdks and admin tools

Flow Editor
Architected a **drag-and-drop** editor for building **JSON-based product flows**. Integrated with a custom form builder and GitHub **versioning**. Enabled clinical and product teams to create and edit flows independently reducing developer load and boosting efficiency.

LunaRx
Real-time state machine runner powering clinical flows using **TFJS**, **YOLO**, **Pose**, **Facemesh**, and **Camera**. Integrated **speech-to-text** via **microphone**. Built a **JSON-driven component builder** to dynamically generate UIs per flow (VA, PD Pro, Digital Fitting, GoEyes). Tuned performance for high-FPS and device-specific optimization (e.g., iPhone camera specs).

Admin UI + Session Explorer
Created internal tool shell using **microfrontend** architecture with **OAuth** role-based access. Built Session Explorer to visualize complex flow session data, images, and events tailored dynamically per data type.

Web Companion SDK
Synced web/mobile interface supporting prescription extraction. Uses **SVG drawing** and **WebSockets** to align phone-camera and desktop screen targets in **real time**.

Web PD SDK
Embedded SDK used globally. Utilizes **camera**, **real-time detection**, **image optimization**, and **canvas** cropping. Handles flow control, server integration, and UX logic in production environments.

Impact:
- Architected all frontend and web SDK systems
- Boosted product efficiency and team autonomy
- Delivered mature, scalable solutions used by millions
- Specialized in real-time CV, device tuning, and modular UI tooling

Freelance (Jun 2016 – Jan 2014)
Graphic Design & 3d Modeling

Delivering visually compelling assets for digital and print media. Turned concepts into high-impact visuals using a variety of tools

References

Available upon request