SACHA DAVID
Senior Frontend Architect & Fullstack Engineer

📞 0545-776682   ◎ sach1810@gmail.com   in In/sacha-david1810   🌐 EN(native), HE(basic)   🌐 www.sachadavid.dev

OVERVIEW

Senior Fullstack Developer with 9+ years of experience leading **frontend architecture**, **real-time detection** SDKs, and efficient **web tooling** for clinical and **med-tech** platforms. Highly experienced in **Vue.js** and modern **JavaScript**, and increasingly applying **React** and **TypeScript** in production contexts. Skilled at bridging frontend applications with diverse backends — including systems built in **Node.js** and **Python**. Architect of **scalable**, **camera**-integrated SDKs used by millions globally, alongside internal tools that support clinical, QA, and product teams. Known for designing mature systems with a strong focus on **performance**, **real-time accuracy**, and development **efficiency**.

Experience

Senior Fullstack Engineer & Web Architect (Jun 2016 – Present)
Seekwell / Luna / 6over6 (acquired & rebranded)

While I held full technical ownership across all frontend projects, I also took on tech lead responsibilities during periods when we worked in product-focused pods. In these rotations, I was assigned to lead the development of new products and SDKs from scratch, rather than maintaining existing ones. I guided architecture decisions, mentored teammates, aligned with backend and product, and took ownership of delivery quality. These leadership experiences complemented my broader role as architect and primary developer across the company's frontend systems.

- Designed and built **real-time** flows using **TFJS**, **YOLO**, **Facemesh**, **Pose**, **microphone**, **camera**, and **device sensors** to support clinical detection, **voice input**, and guided user interactions
- Created **schema-driven**, **drag-and-drop** tools that **render UI dynamically** via **JSON Schema**, **SVG**, and **component builders** (enabling non-devs to author flows)
- Developed **camera**-based **SDKs** embedded in external sites that use **canvas**, **real-time detection**, and **image optimization** to extract visual data with **high precision**
- Architected session tracking tools capable of handling large volumes of session data, dynamically rendering different layouts and content types based on each dataset's structure. supporting QA, clinical, dev, and product teams.
- Built synced **multi-device SDK** using **WebSockets** and **SVG** overlays to align phone and desktop visuals for prescription detection
- Led all frontend architecture, focusing on **high performance**, **efficient** asset handling, and **robust** internal tooling. **Optimized** FPS, tailored behavior to specific devices (e.g., iPhone camera specs), and implemented asset pipelines to ensure **fast**, **reliable** user experiences.
- Built a secure internal platform using **microfrontend** architecture and **OAuth**-based authentication, providing role-based access to a suite of operational tools including flow management, debug, and data review interfaces.
- Delivered stable systems considered mature and low-maintenance, used by millions globally

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

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

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

TECHNICAL SKILLS

Frontend	Vue.js (primary), React, TypeScript, Javascript, SCSS, CSS, HTML, Websockets
Architecture	Frontend architecture, JSON-schema-driven Ui'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, state machines, SVG precision overlays

References

Available upon request

PERSONAL SKILLS

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