

# Jack Sacali

+31612303998 | jacksacali@gmail.com | [LinkedIn](#) | [Website](#)

## PROFESSIONAL SUMMARY

---

Product-minded Senior Engineer with 10+ years of experience bridging the gap between system architecture and UX design. Specializes in building data-intensive SaaS platforms from scratch (0-to-1) and high-performance observability & analytics engines with a focus on Developer Experience (DX). Background ranges from scaling high-volume travel systems (100M+ daily requests) to prototyping consumer mobile experiences. Deeply proficient in the modern TypeScript ecosystem (React, Node.js, GraphQL) with a focus on performance and developer experience.

## WORK EXPERIENCE

---

### Senior Software Engineer

March 2022 – Present

IKEA Amsterdam, NL

- **Founding Engineer (Flexa BI):** Identified a critical inefficiency in Fulfillment Planning, pitched the solution to leadership, and architected a proprietary BI engine from scratch (0-to-1), eliminating 2+ years of redundant dev cycles.
- **Semantic Layer & Cloud-Native Writeback Engine:** Engineered a declarative 'JSON-to-SQL' translation layer in Node.js (Express) to safely manage async operations and real-time state changes. This bidirectional data binding allows planners to execute write-back forecasts on massive datasets directly on the grid. Architected the system as a self-contained, infrastructure-agnostic Docker image, enabling any team to instantly provision the platform simply by injecting initial DB credentials and environment variables.
- **From Prototype to Platform:** Built the initial Frontend-heavy prototype with one partner, successfully proving business value to secure a dedicated team partnered with Product and Design to iterate the MVP. Then scaled the project to a full Internal SaaS with Authentication, Workspaces, and RBAC.
- **Micro-Frontend Architecture:** Evolved the platform into a composable ecosystem, allowing different teams to inject reusable JavaScript bundles and scale features independently.
- **Adoption & Scale:** Currently adopted by multiple core teams for high-traffic use cases, reducing the time to spin up new internal tools from months to days.

### Senior Software Engineer

November 2017 – February 2022

KLM Amstelveen, NL

- **Large-Scale Web Application Development:** Developed core business modules (check-in, trip, profile...) for the "BlueWeb" platform using Angular and GraphQL, working within a distributed agile department of ~80 developers across 10 sub-teams.
- **Keeping the Stack Alive:** Managed the complex process of keeping a massive enterprise codebase on the latest version of Angular. This occasionally required direct collaboration with Google's Angular team to fix edge cases that only appear at our scale.
- **High-Volume Data Integration:** Built and optimized frontend features consuming a federated GraphQL layer, serving 100+ million daily requests, supporting ~€2.25 billion in monthly revenue (for Air France & KLM).
- **Load Testing Specialist:** Became the go-to person for stress-testing the GraphQL aggregation layer. Maintained the Gatling (Scala) load testing suite for 3+ years, executing daily performance validations in Jenkins to ensure APIs could handle 100M+ daily requests.
- **Critical Delivery:** Led the worldwide rollout of the new Check-in flow and "Automated Document Check" (ADC), executed the migration to Flying Blue 3.0 through the web app profile section. Also ran the technical effort to get our frontend code GDPR compliant before the regulatory deadline.

## Frontend Developer (Internship)

de Bijenkorf

March 2017 – October 2017

Amsterdam, NL

- **Market Entry & Rapid Adaptation:** Successfully transitioned from legacy PHP experience to a modern React stack, contributing directly to the checkout codebase of the Netherlands' premier luxury retailer. Mastered enterprise Agile workflows and CI/CD standards.
- **Product Prototype (The "Wayfinder" App):** Independently researched, designed, and prototyped an in-store navigation app to help customers locate products within the physical mall.
  - Design & UX: Created high-fidelity UI mockups following strict brand guidelines (Figma/Sketch).
  - Technical PoC: Built a full Frontend prototype with a basic Backend.
  - Problem Solving: Identified the critical "Indoor GPS Signal Loss" blocker and proposed architectural solutions using Wi-Fi triangulation and signal extenders, laying the groundwork for a feature that launched years later.

## Early Career & Independent Consulting

Various Roles

2006 – 2016

Latakia, SY & Remote

- **Full-Lifecycle Delivery (2012–2016):** Operated as an independent technical consultant, delivering 40+ custom, revenue-generating web applications and CMS solutions for global SMB clients. Managed the entire pipeline from business requirements gathering to deployment.
- **Foundational Web Architecture (2006–2012):** Managed dedicated Linux server environments (DNS, routing, security hardening) and built high-traffic community portals using the LAMP stack (Linux, Apache, MySQL, PHP), developing a deep, foundational understanding of backend logic, relational databases, and server administration long before the modern cloud era.

## EDUCATION

---

### Full Stack Web Development

HackYourFuture

2017

Amsterdam, NL

### Bachelor's Degree of Media & Journalism

Damascus University

2011

Damascus, SY

## TECHNICAL SKILLS

---

**Languages** | TypeScript, JavaScript, SQL.

**Frontend** | React, Next.js, Angular, Micro-frontends, Heavy Data Visualization (ECharts, AG-Grid etc.).

**Backend** | Node.js, NestJS, GraphQL, PostgreSQL, REST APIs.

**Infra & Tooling** | Monorepos (Turborepo, Nx), GCP, Docker, Kubernetes (k8s), CI/CD.

**Testing** | Jest, Cypress, Playwright, React Testing Library.