VIVEK SAINI

Senior Full-Stack & Data Engineer

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SUMMARY

I design, build and run business software end to end: member portals, internal tools, dashboards and SaaS products. Behind that is 8+ years of enterprise data work, including seven years as the sole developer on BMW's data and analytics programme across 100+ markets, where I led the migration of 38 dashboards from Qlik to AWS QuickSight. I've earned $300K+ freelancing across Upwork and direct clients since 2020, and I run my own SaaS products in production.

HIGHLIGHTS

- **BMW C3 dashboard:** one consolidated view of 100+ countries for leadership in Munich, used by ~100 senior managers and directors.
- **Qlik → AWS QuickSight:** planned, led and delivered the migration of all 38 BMW dashboards (2023–2025), removing ~90% of manual reporting, about 10–15 working days a month.
- **Performance:** cut BMW Japan's data refresh from 2.5 hours to under 4 minutes; C3 refreshes hourly in ~9 minutes on ~25M rows.
- **U.S. Polo Association member portal:** designed, built and deployed end to end for ~6,000 members, ~300 clubs and 1,000+ tournaments.
- **LogicTie SchoolOS:** my own school management SaaS, live and paying since July 2026 with 400+ students.

EXPERIENCE

Founder & Lead Engineer, TrioRockets
2026 – Present

Remote | Product studio building and running vertical SaaS (see Products)

Freelance Full-Stack & Data Engineer, Upwork and direct clients
Jul 2020 – Present

Remote | $300K+ earned | Clients in the USA, UK, Australia, UAE and Israel

- **International Polo Academy, UK (Dec 2023 – 2025):** started with Qlik Sense reporting and optimisation, then designed, built and launched two member platforms end to end as sole engineer.
- U.S. Polo Association portal (members.uspolo.org, live Dec 2024): replaced an older WordPress site; member benefits and cards, twice-yearly voting, tournament entry, club profiles and tournament hosting, renewals via Stripe.
- British Hound Sports Association platform (bhsa.org.uk, live Oct 2025): member area, subscription renewals and public site.
- Python pipelines clean and consolidate data from PostgreSQL every 30 minutes. Stack: Vue.js, Node.js, Stripe, Auth0, Cyferd.
- **Brightly Software, now part of Siemens (Aug 2021 – 2024):** optimised their Qlik Sense environment with a four-layer staging architecture; built custom extensions including an in-dashboard help guide, a feedback form and an AI chatbot answering questions on chart data via a Snowflake-backed model.
- **Jezweb, Australia, for Edalive (Mar 2022 – Oct 2023):** built and maintained Qlik Sense business management reporting.
- **Also:** cbdMD, USA (Qlik ETL, sales, inventory and ad-spend dashboards, 2022); Doron Tamir, Israel (Qlik Sense extensions and mobile mashup, 2023–24); Signum Life Science (2023); Artefact, Dubai (Qlik dashboards and mashups, 2021); web scraping and data enrichment projects (2020–21).

Assistant Manager, BMW TechWorks India
Jan 2025 – Aug 2026

Senior Data Analyst, UST (client: BMW Group)
Oct 2019 – Dec 2024

Sole developer on BMW's data and analytics programme throughout, across both roles

- **C3 market dashboard:** consolidated sales, marketing and registration data for 100+ countries into one view for leadership in Munich; ~100 senior users; ~25M rows refreshing hourly.
- **Qlik → AWS QuickSight migration:** following BMW's global decision, planned, led and executed the move of all 38 dashboards (Sales, Marketing, Registration, Stock). Pipeline: Python/pandas in AWS Glue → Parquet in S3 → Athena → QuickSight SPICE. Praised by the C3 business owner for a smooth, fast migration.
- **BMW Japan:** replaced Excel reporting with Qlik Sense Sales and After-Sales dashboards; refresh from 2.5 hours to under 4 minutes; ~200 users.
- **BMW Middle East:** Sales, After-Sales and Director dashboards plus Qlik NPrinting reports; formal appreciation from BMW Group Middle East (2020).

BI Analyst, Team Computers
Jun 2018 – Oct 2019

Clients: Maruti Suzuki, Whirlpool

- **Maruti Suzuki:** QlikView developer and Qlik administrator for dealer-facing Sales, Service, Spares and Pre-Owned Cars (True Value) apps, used by ~3,500 dealers and ~1,000 internal users; optimised loading on ~960M rows a day; upgraded QlikView and migrated to a clustered server.
- **Whirlpool:** troubleshooting and zone/region-level section access (row-level security).

PRODUCTS (TRIOROCKETS)

LogicTie SchoolOS
Live since Jul 2026

- All-in-one K-12 school platform: admissions, sibling-aware family billing, fees and concessions, attendance with alerts, exams and report cards, role-aware access. 400+ students at its first school; two more onboarding. Isolated instance per school. TypeScript, Node.js, PostgreSQL, Vue 3.

TrioPrism In development

- Self-service data platform: users load their own data, transform it and build dashboards.

RocketLaunch Live side project

- Launch platform for indie makers (launch.triorockets.com) with paid listings via Lemon Squeezy.

SKILLS

Frontend: Vue 3, TypeScript, JavaScript, Tailwind CSS, PrimeVue, React (learning)

Backend: Node.js, Express, Python, REST APIs, Stripe, Auth0, background jobs

Data: PostgreSQL, SQL, Drizzle ORM, data modelling, ETL, pandas, multi-source integration

AWS: Athena, S3, Glue, QuickSight (SPICE), EC2, Aurora

BI: Qlik Sense, QlikView, Qlik NPrinting, Qlik extensions and mashups, AWS QuickSight, Power BI (one project)

DevOps & AI: Docker via Coolify, VPS, Cloudflare, Sentry, Claude API, Claude Code

EDUCATION & CERTIFICATES

MCA, Maharishi Dayanand University, 2018–2020 (alongside work) | **BCA,** Panipat Institute of Engineering & Technology, 2015–2018

Coursera: Getting and Cleaning Data, R Programming, The Data Scientist's Toolbox (Johns Hopkins, 2020); Launching into Machine Learning, How Google does Machine Learning (Google Cloud, 2018)

Other: Member, Board of Governors, Satyaansh Softech; trains and mentors trainees in data and full-stack development.