# Brachya Itzhack Shushan

Full-Stack Engineer · Vue/TypeScript · Python/Flask

**Open to full-time roles · Hybrid**

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## SUMMARY

Full-stack engineer at DatAlign, building a Vue 3/TypeScript dashboard and Flask APIs end to end, including reusable components and unified-filter design. Designed and rolled out a team-wide Cursor AI-agent workflow (skills, Jira → release notes). Author of the open-source accessibility package negishut; looking for a full-time Full-Stack Engineer role.

## EXPERIENCE

### DatAlign

**2024 – Present**

Full Stack Engineer

Full-stack engineer at DatAlign, building a Vue 3/TypeScript dashboard and Flask APIs end to end, including reusable components and unified-filter design. Designed and rolled out a team-wide Cursor AI-agent workflow (skills, Jira → release notes). Author of the open-source accessibility package negishut; looking for a full-time Full-Stack Engineer role.

**Analytics Dashboard & Data Visualization**

- Built interactive dashboards with charts, filters, and drill-down views.
- Developed analytical queries to explore data, compare trends, and break down results.
- Helped users identify anomalies, understand performance changes, and find root causes.

**Technologies:** Vue 3, TypeScript, Python, Flask, REST APIs.

**API & Service Design**

- Designed and developed backend services and REST APIs for web and third-party applications.
- Built API layers to connect frontend applications with backend systems and data sources.
- Developed MCP tools to expose legacy APIs to AI agents and modern applications.

**Technologies:** Python, Flask, REST APIs, MCP.

**Report Engine Design & Development**

- Designed and developed a flexible report engine for generating custom reports.
- Built data queries, filters, aggregations, and breakdowns to support complex reporting needs.
- Integrated the report engine with backend APIs and interactive frontend views.

**Technologies:** Python, Flask, Vue 3, TypeScript, REST APIs.

**UI Foundation & Reusable Components**

- Designed and developed reusable UI components used across different areas of the application.
- Built shared tables, filters, forms, and navigation components to ensure a consistent user experience.
- Created flexible UI foundations to speed up development, reduce code duplication, and simplify maintenance.

**Technologies:** Vue 3, TypeScript, HTML, CSS.

**Multi-Tenant System Architecture**

- Designed and developed multi-tenant architecture supporting multiple customers on a shared platform.
- Built tenant-aware APIs, data access, and configuration to ensure data isolation and security.
- Created reusable foundations to support tenant-specific settings, scalability, and consistent behavior across the entire application.

**Technologies:** Python, Flask, Vue 3, TypeScript, REST APIs.

**AI-Assisted Development & Grok Bot**

- Leveraged AI and used Grok Bot to help with daily work: automated code review, coding, cards writer, and Slack alert investigations.

### United Match

**May 2026 – Present**

Owner & sole engineer · Side venture

**Traditional Matchmaking Platform (in development)**

- Designing and building united-match.com, a traditional matchmaking (shidduchim) platform in development and not yet launched.

**End-to-End Product Ownership**

- Own product, architecture, deployment, and AI-assisted development end to end.

**Manager UI & Grok Bot Integration**

- Built a manager UI for building features, connected to Grok Bot with full integration.

**Technologies:** Cloudflare, Supabase

### Yahli

**2023 – 2024**

IT · Employee

**Internal Operations App (AppSheet)**

- Built an AppSheet app for inventory, employee hours, and income/expense tracking.
- Helped management understand the company's worth and track work steps.

**Technologies:** AppSheet

## SELECTED PROJECTS

- **negishut**
  **Open-Source Accessibility Library**
  - Hebrew/English accessibility package for React/Next.js (TypeScript).

  **Technologies:** React, Next.js, TypeScript
- **BiSql**
  **Editor Database Integration**
  - Cursor IDE extension and MCP server for querying databases from the editor.

  **Technologies:** TypeScript
- **scheduled_shop**
  **Full-Stack Shop Application**
  - Next.js client with Express/TypeScript API, JWT, and Joi validation.
  - Integrates negishut for accessibility.

  **Technologies:** Next.js, Express, TypeScript, JWT, Joi

## SKILLS

**Frontend:** Vue 3, TypeScript, React, Next.js, Vite, Vuetify, Pinia, Tailwind
**Backend:** Python, Flask, SQLAlchemy, NestJS, Node.js, Express, FastAPI
**Data:** MySQL, SQL, Firebase
**Testing & CI:** Vitest, Playwright, pytest, Bitbucket Pipelines
**Infra:** Docker, AWS
**AI tooling:** Cursor agents/skills, MCP (BiSql)

## EDUCATION

- Practical engineering diploma (Software) — Engineers Tel Aviv (הנדסאים תל אביב)
- Software Technician program — MEGO (1 year 4 months); subjects studied: Python, JavaScript, SQL, Firebase, MongoDB
- QA course (manual QA, SQL, Linux) at Smart College

## LANGUAGES

- Hebrew — native
- English — fluent