David Blum

Independent Software Engineer | Product Development

davbludev@gmail.com · www.linkedin.com/in/davbludev · Israel

Available for work · Open to full-time roles and contracts.

Shipping software since 2014: a bitcoin exchange, 10+ client projects with product teams in Israel, and my own products, live today. I take yours from first requirement to launch and keep it running, remotely.

EXPERIENCE

Independent Software Engineer | Product Development — Independent

Nov 2025 – present · Full-time

- Built and deployed GliVal: multi-tenant SaaS booking with scheduling, Stripe payments, configurable workflows, dynamic theming, and separate interfaces for administrators, business users and customers.
- Built Jutsu Vault: a self-hosted password manager with passkey authentication, encryption and protected credential storage, designed privacy-first.
- Designed reusable foundations for authentication, authorization, validation, REST APIs, logging, error handling and configuration.
- Stack: TypeScript, React, Next.js, Node.js, Python, PostgreSQL, Prisma, Stripe, Docker and automated delivery pipelines.

Software Engineer - Backend & Cloud Platform — Computronix

Jun 2024 – Oct 2025 · Edmonton, Canada · Full-time

- Removed a critical horizontal-scaling limit by moving in-process workflow state to Redis and making the backend stateless across Kubernetes replicas.
- Built a FastAPI coordination service with key-scoped mutation locks and Kafka state-change notifications, so concurrent replicas no longer overwrite shared workflow state.
- Implemented REST APIs, frontend workflows, application integrations, bug fixes and performance improvements across backend and frontend.
- Containerized and delivered components with Docker, Kubernetes, Helm, Terraform, Azure and Bitbucket CI/CD.
- Improved production reliability and troubleshooting with configuration validation, structured logging, Grafana, Loki and Fluent Bit, investigating across application, container, Kubernetes, network and cloud layers.

Full Stack Developer — MonkeyTech

Feb 2019 – Jun 2023 · Tel Aviv, Israel · Full-time

- Delivered 10+ client projects with React, Next.js, Angular, Python, Ruby on Rails and PostgreSQL.
- Improved API and data-processing performance by up to 97% through profiling, query optimization, caching and architectural changes.
- Built reusable frontend components, backend services, REST APIs and automated test coverage.

Back-end Developer — Superup

May 2017 – Feb 2019 · Ashdod, Israel · Full-time

- Improved API performance and reliability with caching, asynchronous processing and database connection pooling.
- Built integrations and backend workflows for real-time and offline-capable mobile experiences.

Software Developer — FastCoinExchange.com

Dec 2014 – Mar 2017 · Mykolaiv, Ukraine · Full-time

- Implemented authentication, authorization, fraud-prevention controls and financial transaction workflows.
- Improved transaction-processing efficiency by about 50% through workflow and backend optimizations.

SELECTED WORK

GliVal

A multi-tenant booking and payments platform for appointment-based businesses: v1 in production at glival.com, v2 a full rewrite on its way to replace it.
glival.com

vps_baseline

Configuration as code for the single VPS that hosts and deploys my products: edge proxy, self-hosted GitLab and CI runner, with encrypted secrets.

Jutsu Unreal MCP

An Unreal Engine editor plugin, sold on Fab, that lets AI coding agents author Unreal projects and check the result through eight MCP tools.

Jutsu Vault

A self-hosted, end-to-end encrypted vault for passwords and application secrets, with a command line that hands secrets to apps and AI agents.
vault.davblu.dev

Nora

A self-hosted tunnel that gives a local web app a stable public HTTPS address for previews, webhooks and WebSockets, by invitation only.
nora.davblu.dev

G7 Smart Cards

Client work for G7: NFC digital business cards, with an admin portal for the card directory and mobile card pages that save straight into phone contacts.

SKILLS

Languages: TypeScript, Python, Go, C++, PHP, Java

Frontend: React, Next.js, Tailwind CSS, Angular

Backend & data: Hono, Drizzle ORM, Node.js, FastAPI, Payload CMS, Ruby on Rails, PostgreSQL, SQLite, Prisma, Redis, Apache Kafka, Stripe

Infrastructure & delivery: Docker, GitLab CI/CD, Traefik, Linux, Kubernetes, Terraform, Microsoft Azure, Observability (Grafana, Loki)

Security: Better Auth, Passkeys (WebAuthn), End-to-end encryption, Encrypted secrets (SOPS, dotenvx), TLS automation (ACME)

Testing: Vitest, Playwright, pytest

Unreal Engine & AI tooling: Unreal Engine, Model Context Protocol (MCP), Agent skills (Claude Code)