

Joshua Behrenbrinker

Staff Software Engineer | Solutions Architect

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PROFESSIONAL SUMMARY

Staff-level software engineer and solutions architect with 28 years shipping production systems (1998–present). Deep in C# / .NET, ASP.NET Web API, distributed cloud architecture, search, and event-driven platforms. Led application engineering at Match.com (December 2011–October 2025): CoreAPI, Honeycomb (People Media properties onto the shared Match backend), zero-downtime SQL Server to AWS OpenSearch, Apache Kafka, multi-datacenter pub/sub, and an internal A/B testing engine with 100+ personally authored experiments. Now Staff Engineer on a 501(c)(3) food-redistribution platform and independently inventing air-gapped AI (local inference, no outbound telemetry). Seeking a senior or staff IC role, or a small-team lead with high coding involvement.

TECHNICAL SKILLS

Languages and frameworks: C#, .NET, ASP.NET Web API, ASP.NET MVC, JavaScript, TypeScript, Swift, Java, Xamarin, WCF, WPF, nHibernate

Cloud and infrastructure: Amazon Web Services (EC2, RDS, OpenSearch), Apache Kafka, Redis, Docker, Kubernetes, event-driven architecture, pub/sub, CI/CD, IIS

Data and search: SQL Server, MySQL, Oracle, Elasticsearch, OpenSearch, data synchronization pipelines, sub-80ms search SLAs, SSRS

Practices: system architecture, zero-downtime migrations, REST API design, A/B testing, KPI and revenue analytics, cross-platform mobile (iOS, Android), mentoring, AI-assisted development (Claude, Cursor, GitHub Copilot, ChatGPT, Gemini)

PROFESSIONAL EXPERIENCE

Staff Engineer | Worthless Haunted Meat, 501(c)(3)

Austin, TX | November 2025 – Present

- Build and operate the food-redistribution platform for a Texas public charity: restaurant surplus to shelters and people in need, with donor tax-write-off tracking and volunteer hour accounting.
- Serve as the behind-the-scenes staff engineer (not founder) on a lean stack, applying enterprise architecture discipline to a mission-driven one-to-few person technical function.

Independent Researcher | Air-Gapped AI

Austin, TX | November 2025 – Present

- Study and invent models that run with the network unplugged: local weights, no vendor API keys, no telemetry. Isolation as a research program, not a proxy to hosted models.
- Apply 28 years of production engineering to local inference, air-gapped workflows, and AI as a force multiplier on a lean team.

Staff Engineer / Senior Architect | Match.com (Match Group)

Dallas, TX | July 2015 – October 2025

- Owned end-to-end product experimentation across a 13-year Match tenure: designed and tuned the internal A/B testing framework and personally authored 100+ experiments (UI/UX through ranking algorithms) with behavioral and KPI tracking into product strategy and executive/shareholder reporting.
- Migrated a centralized SQL Server search algorithm to horizontally scalable AWS OpenSearch with zero downtime: standalone data-synchronization services that did not impact production SQL, REST query API, event hooks, dual-running until result quality matched, then cutover.
- Designed and built a standardized Apache Kafka asynchronous publish/process library so engineering teams could offload in-process SQL from the request path; containerized with Docker and deployed via Kubernetes.
- Built near-real-time pub/sub (Redis, later cloud-native) coordinating multi-datacenter server farms for cache invalidation and configuration updates at fleet scale.
- Led Honeycomb: wired People Media properties (OurTime, BlackPeopleMeet, SingleParentMeet, and the broader People Media mill) onto Match CoreAPI, including Facebook signup/login, and managed the application engineers who shipped it. Shared Match Group platform work (search, Kafka, pub/sub, A/B, AI tooling) sat in the same house as Tinder, OkCupid, Plenty of Fish, Hinge, and Dallas affinity apps including BLK, Chispa, and Upward.

- Evaluated ChatGPT, Claude, GitHub Copilot, and Gemini across Windsurf, Cursor, and Visual Studio; advocated Claude (Windsurf, then Cursor) ahead of Match Group engineering-wide adoption.
- Mentored and onboarded engineers through pair programming and code review; comfortable training juniors without formal engineering backgrounds.

Lead Engineer, Application | Match.com (Match Group)

Dallas, TX | January 2013 – July 2015

- Led development on the Microsoft stack (ASP.NET Web API, C#, Xamarin, JavaScript, Swift, Java) powering Android, iOS, and JavaScript clients across Match.com and People Media storefronts.
- Shipped 10 mobile applications in a single calendar year alongside a full website redesign (Match 3.0 for iPhone, including Stream and Mixer, April 2014).

Senior Engineer, Application | Match.com (Match Group)

Dallas, TX | December 2011 – January 2013

- Senior engineer on the application team delivering core platform features on the API the properties already consumed, then promoted to Lead Engineer.

Solutions Architect | Independent (concurrent with Match.com)

Remote | 2011 – 2015

- Designed, built, deployed, and operated a high-availability electronic-components search engine solo beside full-time employment, including automated CI/CD.
- Migrated across hosting providers and from Microsoft SQL Server to MySQL plus Elasticsearch, then to AWS (EC2 and RDS), geographically placed to meet a strict sub-80ms search-to-response SLA.

.NET Engineer (contract) | Safety-Kleen (via MATRIX)

Plano, TX | July 2011 – December 2011

- On-site C# / ASP.NET MVC 3 / jQuery / TDD after two failed attempts at an internal HTML5 project-management site; mentored the in-house team to launch velocity.

Independent .NET Contractor | Fanzoo Technologies

Ann Arbor, MI | April 2011 – 2011

- Architected an overhaul of EMS billing software: C#, ASP.NET, Castle, nHibernate, legacy-device integration, tablet and ink input, remote agile delivery.

Software Engineer IV | ADP (via iVantage)

Ann Arbor, MI | October 2010 – April 2011

- Built an in-house web application integrating multiple legacy systems into a single entry point for opportunity-to-client conversion and cross-selling (ASP.NET, Telerik, jQuery, Dojo, Oracle), reducing manual labor and increasing cross-sell revenue.

Senior .NET Developer | Valassis / HALO Group (IMO / Discovery, RedPlum)

Livonia, MI | November 2007 – October 2010

- IMO/Discovery (HALO consultant then FTE): custom MVP framework, Subsonic/Oracle, test-driven development with 500+ personally written unit tests (4,000+ in the system), zero Level-1 defects on Discovery.
- Rewrote RedPlum.com on SOA (WCF, ASP.NET MVC, MSMQ, nHibernate, Oracle) to scale Coupon-to-Card; MSMQ handled 250,000+ requests per day per server.
- Developed a patented targeting system that built marketing scenarios from a database of every U.S. carrier route mapped to product lines (one-touch media plans after the ADVO merger).
- Sole iPhone/Android developer for Interactive: cross-platform RedPlum mobile (iPhone, Android, Windows Phone 7) plus backend services for Coupon-to-Card on retailer loyalty cards. Mentored as a lead; NAnt deploy scripts; pluggable retailer provider model.

Senior .NET Developer | infoLAB, Inc.

Ann Arbor, MI | March 2006 – November 2007

- Enterprise web systems for Goodyear (GYReports.com operations center for retail stores) and Progressive: KPI data entry, CRM modules, global add-ins (credit-card and prospect-list uploaders), system monitor via web services, SSRS and SQL cube reporting, .NET 1.1 to 2.0 upgrades.

Client Eligibility Systems Developer | State of Michigan (via Analysts International)

Lansing, MI | October 2005 – March 2006

- LOA2: statewide county-level eligibility for Michigan assistance programs (classic ASP / VBScript / Oracle 9, new work in ASP.NET). Policy-driven updates, stored procedures, security and scalability hardening across the county-to-central network.

Web Reporting Developer | SITEL Corporation

Detroit, MI | July 2005 – October 2005

- SQL reporting for General Motors: stored procedures, DTS, Crystal Reports; ~400 reports and 4 million+ view combinations, daily nationwide refresh, index and procedure optimization.

IT Support and Development | Peckham, Inc.

Lansing, MI | June 2002 – February 2005

- Social-enterprise GM supplier: designed and implemented SharePoint 2003 / SQL Server 2000 / Windows Server 2003 for TS-9000 document control (NetWare and Access 97 replacement); web parts, Crystal Enterprise and SSRS; Active Directory upgrade.
- Built outcomes-measurement, client-numbering, timesheet, change-monitor, and routed-forms applications (ASP / ASP.NET, LDAP SSO) and trained staff. IT support through full development — the entire technology function.

Web Application Developer | Digital Solutions

Lansing, MI | August 1998 – June 2002

- Turnkey ASP / SQL Server 7/2000 sites: SportCraftCars.com shopping cart with real-time inventory and mailing list; Peckham public CMS for non-HTML marketers; warehouse order lookup (dscp.peckham.org); IIS/SQL hosting. Professional start after building homebrew PCs at father's storefront (1985).

SELECTED INDEPENDENT WORK

- Four published iPhone applications (personal time).
- PrivateFlock.com — private Twitter group messaging (shut down after Google+ groups launched).

EDUCATION

Western Michigan University — Computer Science and Psychology

Microsoft Certified Professional (historical)