Brian J. Glusman

ENGINEERING / AGENTS / PRODUCT ARCHITECTURE

brian@glusman.me / New York City
215-460-9585 / github.com/bglusman / brian.glusman.me

Senior full-stack engineer and technical lead with 20+ years of experience. At PepsiCo, built supply-chain software and helped deliver Schippy, an agent framework and chat assistant with tools, verified citations, task progress, and human review. Hands-on work spans Elixir/Phoenix, LiveView, React, and backend services.

PROFESSIONAL EXPERIENCE

Software Engineering / Technical Leadership / Management 2020 - present

PepsiCo

SCHIP: platform engineering and team leadership

Spent six years on core SCHIP: warehouse orders, order processing, and executive reporting. Progressed from senior backend engineer to lead and manager; returned to an IC role by choice in 2026. Built full-stack features with Phoenix LiveView and React, alongside shared automation and data-access tooling for SCHIP. Improved Snowflake query processes and mentored engineers across Elixir/Phoenix, GraphQL, and PostgreSQL.

Schippy: agent framework and assistant inside SCHIP

Helped lead design and delivery of Schippy, a composable agent framework and chat assistant inside SCHIP, including reusable tools and production interaction patterns. Designed citation generation and verification, visible tool-use progress for long-running tasks, and human-in-the-loop proposal workflows for business automation.

AssortmentHub: current project leadership

Lead architecture and delivery for AssortmentHub, a new project improving how retail operations work with supply chain, catalog, and external retailers.

Director of Technology / Technical Lead 2015 - 2020

StellaService / PowerReviews

Turned a prototype into an enterprise platform with hierarchical account modeling, SAML authentication, and a reliable service API. Introduced Elixir/Phoenix and Kubernetes; built full-stack features using React, server-rendered HTML, and backend services. Owned technical and product continuity through acquisition and migration into the PowerReviews platform.

Software Developer 2014 - 2015

Skillfeed / Shutterstock

Product engineering for an internal startup, including internationalization and SEO.

Software Developer 2012 - 2014

Amicus

Full-stack product work; originated a JSON-HAL hypermedia API and open-sourced supporting tools.

Independent Software Developer / Consultant 2011 - 2012

Independent contracting / Bloomberg Black / Neomind Labs

Neomind Labs (January 2011 - July 2012): Ruby on Rails maintenance and feature development. Bloomberg Black, Bloomberg LP (August - December 2012): authored a Ruby gem extending VCR for SOAP XML serialization/deserialization; developed HAML, JavaScript, and Rails prototypes against a SOAP backend.

Founder 2009 - 2011

Enjyn

Founded a software venture; led product development, engineering, fundraising, and partnerships.

Software Developer Fall 2008 - Spring 2009

The Neat Company

Worked on NeatWorks for Mac on the Digital Business Processes team.

Independent Software Developer / Contract 2007 - 2008

CATS enterprise incentive management software

Approximately six-month engagement developing enterprise incentive management software in FoxPro.

Engineer / Scientist 2001 - 2007

Boeing Integrated Defense Systems

Software R&D for RAH-66 Comanche (2001 - 2003), followed by Future Combat Systems JEBC2 and SoSCOE development (2003 - 2007).

INDEPENDENT OPEN SOURCE / PROJECT NOTES

Independent projects and contributions, from Ruby developer tools to Elixir and agent infrastructure. Recent agent projects are early-stage; Model Skyline remains exploratory code, data, and research notes rather than a finished product.

Wardwright / Elixir / Gleam / Phoenix
An OpenAI-compatible gateway that makes model routing and policy reviewable contracts. A Phoenix service and Gleam/Lustre workbench support route composition, simulated policy runs, stream retries and rewrites, tool mediation, and receipts recording provider attempts and policy decisions. Early native releases include framework and local-agent adapters.

Calciforge / Rust / agent infrastructure
A security-oriented outer boundary for agent traffic, secrets, and tool execution. Explicit secret substitution and destination policies, configurable inbound-content scanning, and allow/deny/review tool checks protect integrated paths. Provider routing and direct CLI adapters preserve agent identity, approvals, and session boundaries; Wardwright supplies composable model policy behind that boundary.

ModelSkyline / Python / evaluation systems
Exploratory code, data, and research notes on workload-specific model selection and Pareto frontiers across quality, cost, latency, memory, and energy. Includes local-model and compound-agent experiments, with limits and negative results. Not yet a cohesive tool I use day to day; most relevant to someone defining their own tradeoffs and testing how those could drive dynamic model selection.

Live Dashboard History / Elixir / Phoenix LiveDashboard
Historical telemetry and trend views for Phoenix LiveDashboard.

Outlaw / Ruby / static analysis / developer tooling
Developed through Ruby Mendicant University in 2012. A Ruby tool for executable coding conventions: user-defined rules identify prohibited patterns and provide explanations. Supports project and user rule configurations. The project was featured by Ruby5 and The Ruby Show.

DebtCeiling / Ruby / static analysis / test integration
A Ruby gem for defining and enforcing technical-debt ceilings and reduction deadlines. Combines static-analysis metrics with explicit debt annotations, configurable file/module limits, and test-suite or CLI audits. Includes historical repository analysis and cached debt calculations.

OpenPantry / Elixir / Phoenix / PostgreSQL
Inventory and client selection management for community food pantries.

Phoenix LiveDashboard contribution / Elixir / Phoenix / Telemetry
Contributed improvements to plugin telemetry integration and extensibility in Phoenix LiveDashboard.

Avalanche and AyeSQL contributions / Elixir / data access
Contributed to Avalanche and AyeSQL in the Elixir ecosystem.

TECHNICAL RANGE

Earlier technical work: Ruby on Rails / JRuby / Backbone / CoffeeScript / HAML / Objective-C / SQL / SOAP / Docker / Linux / FoxPro

Agent systems: tool design / model routing / citations / evals / human-in-the-loop workflows / safety and governance

Application engineering: Elixir / Phoenix / OTP / LiveView / React / JavaScript / TypeScript / GraphQL / PostgreSQL / Ruby / Python

Architecture and operations: product boundaries / distributed systems / Kubernetes / AWS / CI/CD / observability / Snowflake

Leadership: technical strategy / team leadership / mentoring / architecture review / cross-functional delivery

EDUCATION / CONTINUED LEARNING

Recurse Center / Participant / Spring 2015 / A self-directed programming retreat centered on curiosity, depth, and learning in public.

Ruby Mendicant University / Participant / 2012 / Developed Outlaw, an independent Ruby project, through the program.

Bowdoin College / B.A., Computer Science / 2001 / GPA in major: 3.8.