

Bryan Gelfius

Staff-level Software Engineer

Dunedin, FL (remote or hybrid, Tampa

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PROFILE

Software engineer with 20+ years of experience delivering distributed systems, high-volume APIs and mission-critical platforms. Owns a high-volume email platform's compliance and reputation domain end to end, sets technical direction across team boundaries, and builds production systems with operational rigor: observability, kill switches and fail-closed handling. Founder of AgeeBgee Solutions, with four Azure-native products in production. Deep expertise in C#/.NET, Kafka, AWS, DynamoDB, Kubernetes and event-driven architecture.

EXPERIENCE

Senior Software Engineer

Sep 2021 – Present

ActiveCampaign · Remote

- Own the compliance and reputation domain of a high-volume transactional email platform end to end: architecture, technical direction and production operations.
- Architected and shipped an AI-driven account-approval platform that now makes every new-account decision autonomously at sub-second latency, with canary rollout, kill switches and fail-closed handling.
- Conceived and led an event-driven trust and deliverability platform on Kafka, Benthos, SQS and S3. Led a five-person cross-functional team that won a company-wide innovation challenge.
- Designed a durable reputation system of record on DynamoDB with asynchronous SQS processing and audited decision logging.
- Scaled a core delivery-data service by an order of magnitude, avoiding a new search-cluster dependency.
- Redesigned a compliance processing path around bounded channels and backpressure so it never blocks the email-send hot path.
- Led a cross-service security rollout and a platform-wide .NET migration. Authored RFCs and design reviews, resolved a long-stalled inbound-processing problem across six repositories, and mentored peers.
- Own production reliability: on-call, incident response and retrospectives, with Prometheus, Grafana and OpenTelemetry observability.

Founder & Engineer

Present

AgeeBgee Solutions, LLC · Dunedin, FL

- **InsightForge:** email-delivery observability deployed inside the customer's own Azure subscription. .NET 10 Azure Functions, queue-based ingestion, Table Storage with Blob archive, React dashboard, Bicep Marketplace install.
- **BulkForge:** bulk email orchestration with a hosted control plane and a customer-deployed, pull-based agent, so delivery credentials stay in the customer's tenant. Terraform and ARM deployment.
- **Vigil:** Azure Key Vault expiry monitor that runs entirely in the customer's subscription, with a free tier.
- **Dad Is Dead:** digital legacy planning platform on ASP.NET Core, Next.js and Azure Functions, with swappable OIDC identity and Terraform infrastructure.
- **Claude Agent SDLC Toolkit** (open source, MIT): agent roles for Claude Code with enforced release gates, where production is blocked until independent QA and product reviews both approve. github.com/ageebgee-solutions/claude-agent-sdlc-toolkit
- Own the full lifecycle: architecture, infrastructure as code, CI/CD, identity, billing, Microsoft Marketplace publishing and support.

Systems Integration Analyst

Dec 2020 – Sep 2021

Geographic Solutions, Inc. · Palm Harbor, FL

- Designed and delivered ETL pipelines and integration interfaces connecting client legacy systems to a workforce management platform for the labor-market and job-services industry.
- Authored advanced SQL, stored procedures, cursors and triggers for multi-source data transformations, and optimized existing queries for measurable performance gains.
- Wrote programming specifications with business stakeholders and subject-matter experts, and managed change requests end to end.

Senior Software Analyst

Jul 2002 – Nov 2020

Systems Advantage, Inc. · Indianapolis, IN

- Led software engineering on an 18-year contract for the Minnesota Department of Vehicle Safety (MNLARS), a large state-government system modernization; primary engineer for legacy migration, ETL architecture and REST interface development.
- Co-architected ETL optimizations that delivered roughly 300% higher throughput on critical state data.
- Built REST interfaces bridging modernized systems to mainframe infrastructure (MVS/XA, CICS, COBOL, IMS, VSAM, DB2).
- Solved a long-stuck legacy data migration with a regex-based approach for free-form text fields. Mentored junior engineers on legacy systems and ETL.

TECHNICAL SKILLS

Languages: C#, Python, Java, TypeScript/JavaScript, SQL, PHP, PowerShell

Architecture: microservices, distributed systems, event-driven design, platform engineering, RFCs and design reviews, fail-closed and resilience engineering

Messaging and data: Kafka, SQS/SNS, Benthos, RabbitMQ, DynamoDB, SQL Server, PostgreSQL, MySQL, Redis, Oracle

Cloud and delivery: AWS, Azure, Kubernetes, Docker, Terraform, Bicep, GitHub Actions, GitLab CI/CD, Cloudflare

Observability: OpenTelemetry, Prometheus, Grafana, on-call and incident response

Frameworks: ASP.NET Core, Entity Framework, FastAPI, React, Next.js, REST, GraphQL

EDUCATION AND CERTIFICATIONS

B.S. Software Development, Western Governors University (2019) · CIW Advanced HTML5 and CSS3 Specialist · CIW User Interface Designer · CompTIA Project+