

Izaiah Barionnette

678-815-9092

izaiahb4999@outlook.com

Summary

Principal / Senior Software Engineer with 7+ years specializing in Golang and distributed systems. Architected and delivered high-performance microservices handling multibillion-dollar transaction volumes. Experienced in migrating legacy monoliths to cloud-native, event-driven platforms; implementing CI/CD pipelines; and designing infrastructure-as-code with Terraform. Known for setting engineering standards, mentoring teams, and driving architecture decisions that improve scalability, reliability, and long-term maintainability.

Core Technical Stack

Go / GoLang (Backend Development)
Kubernetes (Certified KCNA Associate)
Docker
Kafka / NATS
Terraform
Event Driven Systems

Years of Experience

7 years
5 years
7 years
3 years
3 years
3 years

Additional Experience

HTML & CSS	12 years
PHP	12 years
Unix/Linux	12 years
SQL & Database Schema Design	12 years
JavaScript	10 years
Typescript	8 years
Angular	8 years
Network Engineering	2 years
Java	4 years

Cloud Platforms

- Amazon Web Services (AWS)
- Google Cloud (GCP)
- Microsoft Azure

Databases Expertise:

- PostgreSQL & CockroachDB
- MySQL / MariaDB
- SQL Server / MSSQL
- Redis
- DynamoDB

Architectures:

- Distributed Microservices (gRPC & Protobuf & REST)
- Kafka Streaming
- Layered Architecture (Services, Repository, Application, Transformation)
- Hexagonal Architecture / Ports & Adapters

Professional Experience

GPSI Insight – Atlanta, GA

Jan 2023 – Aug 2025

Senior Software Engineer / Golang + PHP

- Led the migration from a PHP monolith (V2) to a Golang microservices platform (V3), improving system reliability, reducing deployment cycles from weeks to days, and enabling independent scaling of core services.
- Directed messaging platform transition from NATS to Kafka, leveraging Kafka's persistence, replay, and partitioning capabilities to support higher-volume event streaming and more complex data processing workflows.
- Designed and implemented a fault-tolerant Geocoder Service capable of processing millions of location lookups per day, with API vendor fallbacks, batch processing, and gRPC integration for high-throughput requests.
- Developed infrastructure-as-code using Terraform to standardize and automate service deployments across environments, improving provisioning speed and ensuring consistent infrastructure configurations.
- Led data integration efforts for multiple acquisitions, building transformation and synchronization services that normalized disparate datasets and migrated customers into the microservices platform without downtime.
- Created shared Go libraries, service templates, and architectural conventions adopted across teams, reducing new service delivery time by ~40% and maintaining architectural consistency.
- Facilitated ongoing engineering review sessions on architecture, maintainability, and testing, raising code quality and alignment across the organization.

Capital One – Atlanta, GA

(Contract) Jan 2023 – Jul 2023

Senior Software Engineer / Golang + Java

- Refactored a core HTTP-gateway AWS Lambda, reducing the codebase by over 50% while improving performance, reliability, and maintainability.
- Identified and resolved critical race conditions, improving concurrency safety and eliminating intermittent production failures.
- Designed and delivered a new virtual card service for secure issuance to third-party affiliates, enhancing transaction security and accelerating partner integrations.
- Built and deployed a bridge service that processed external HTTP requests and routed them to internal Capital One services with full security validation.
- Implemented Proof of Possession (PoP) token validation to strengthen identity verification and prevent misuse of the virtual card system.
- Managed accounts data in AWS DynamoDB, optimizing access patterns and reducing latency for downstream services.
- Mentored both Golang and Java team members, guiding Java engineers through adopting Golang patterns and practices to accelerate their contributions to backend services.

The Home Depot – Atlanta, GA

(Contract) Jul 2022 – Jan 2023

Senior Software Engineer / Golang + PHP + Angular

- Scoped, led, and delivered enterprise features by working directly with corporate stakeholders, translating requirements into tickets, and driving execution through the development team.
- Engineered TeamUp and Targeting platforms, adopted across Home Depot's 470,000+ associates nationwide, streamlining project coordination and workforce allocation.

- Mentored engineers from junior through senior levels in Golang, driving adoption of best practices in design, testing, and maintainable code standards.
- Cut infrastructure costs by six figures annually by refactoring database architecture and backend services while maintaining rapid feature delivery.

Chick-fil-a - Atlanta, GA

(Contract) Dec 2021 - Jun 2022

Senior Software Engineer / Golang + DynamoDB

- Engineered Go microservices powering Chick-fil-A's national loyalty and POS systems, processing \$7.2B+ annually in transactions with real-time discount, offer, and points redemption.
- Migrated critical Java services into Go, adopting gRPC/protobuf for interservice communication and secure HTTP (JWT) for legacy system integration.
- Collaborated with product teams to design targeted promotions and regional discount campaigns, increasing customer engagement and driving sales in historically slow periods.
- Maintained enterprise-grade quality and security standards with strict unit testing, CI/CD pipelines, in-memory DynamoDB testing, and PGP-signed commits to ensure code integrity.

Yardz Technology - Alpharetta, GA

Apr 2021 - Dec 2021

Senior Software Engineer / Laravel + PHP

- Played a key role in scaling a SaaS rental asset management platform from mid-market contractors to enterprise adoption, enabling use by multi-billion-dollar construction firms including Brasfield & Gorrie.
- Drove the expansion of the platform from contractor-focused workflows to supplier-grade enterprise capabilities, significantly increasing the system's market reach.
- Engineered backend services in Laravel/PHP, including event-driven processes, data migrations, and enterprise reporting features, while also delivering customer-facing front-end templates.
- Strengthened system scalability and reliability, stabilizing legacy components and preparing the platform for long-term growth.
- Worked closely with executives and product stakeholders to translate enterprise client requirements into technical designs and production-ready features.

Clean Earth Books - Atlanta, GA

Jan 2017 - Apr 2021

Lead Software Engineer / Golang + PHP

- Architected and delivered a custom SaaS system that processed profitability calculations for millions of SKUs across Amazon, eBay, and other marketplaces, supporting high-volume resale operations.
- Introduced Go routines inside pricing logic to parallelize computations, significantly improving throughput within a PHP-heavy backend.
- Built front-end interfaces in Angular/TypeScript that supported millions of requests with low latency, ensuring a seamless UX for employees and partnered businesses.
- Integrated with AWS services (SQS, MWS) for real-time product management, caching, and rapid fulfillment updates. Handling billions of SQS messages annually.
- Combined hands-on business knowledge (cost modeling, tax/shipping optimization) with technical design to create scalable, profit-driven decision engines.
- Provided leadership and long-term continuity as the primary engineer for over four years, overseeing both product growth and platform stability.

Independent Software Consultant

2014 – 2017

Certifications:

Kubernetes and Cloud Native Associate (KCNA)

Cloud Native Computing Foundation [CertID: LF-dq6m06q285]

Verify at: <http://training.linuxfoundation.org/certification/verify>