

**Izaiah Barionnette****678-815-9092**[izaiahb4999@outlook.com](mailto: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>