

# ZONAIID H

## Software Engineer – Backend | Cloud Native | GenAI Systems

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### SUMMARY

Software Engineer (Backend) specializing in **cloud-native** application development and **API design**. Expert in building robust microservices using **Java, Spring Boot, and Go**, with extensive experience in **AWS/GCP** infrastructure. Successfully engineered data-intensive systems that improved data retrieval times by 40-45%. Adept at integrating **AI/ML pipelines** and automating workflows to accelerate the **SDLC** and product delivery.

### EXPERIENCE

#### Big Data Analyst Intern

##### Sun Caper Data

⌚ 01/2025 - 06/2025 🌐 Chengdu, China

A data analytics company specializing in big data solutions

- Processed 10M+ records to support analytics and reporting pipelines
- Automated ETL workflows, lowering manual effort 50%
- Boosted ML model accuracy 12% through targeted feature engineering
- Enhanced SQL query performance 30% with optimized indexing
- Presented insights to engineering and product stakeholders

#### Software Engineer Intern

##### MaesInfo

⌚ 02/2024 - 06/2024 🌐 Chengdu, China

A technology company focused on developing backend systems

- Developed a payment gateway microservice (Java/Spring Boot), increasing throughput 35% and reducing latency 140ms
- Strengthened API reliability 25% by adding validation, fault-tolerant workflows, and error recovery mechanisms
- Cut payment failures 18% by improving event tracking and logging accuracy
- Built dashboards in Grafana/Kibana, improving incident response time 40%
- Partnered with product, finance, and engineering teams to accelerate delivery

### EDUCATION

#### Bachelor of Software Engineering

##### Sichuan University

⌚ 09/2022 - 06/2026 🌐 Chengdu, China

### KEY ACHIEVEMENTS



#### High-Performance Architectures

Delivered high-throughput architectures capable of processing 1M+ events/day and improved system reliability by 25-40% across multiple projects

### SKILLS

#### Languages

Java Go Python SQL C++

#### Backend & Frameworks

Spring Boot Microservices gRPC

REST APIs WebSockets

#### Databases & Streaming

PostgreSQL MongoDB Cassandra Redis

Kafka RabbitMQ

#### Cloud & DevOps

AWS GCP Docker Kubernetes Linux

Terraform Grafana Kibana

#### Libraries & Tools

PyTorch TensorFlow Git JUnit

### PROJECTS

#### Distributed Task Queue System

⌚ 03/2024 - 07/2024

A project for creating a distributed task queue system to manage jobs efficiently

- Built a scalable job processor handling 1M+ tasks/day with retries, DLQs, and autoscaling
- Reduced processing time 45% using parallel workers

#### Ride-Hailing Matching Engine

⌚ 02/2024 - 03/2024

A real-time ride-hailing matching engine to optimize user experience

- Created a real-time matcher handling 10k+ events/sec with geospatial search
- Improved match performance 60% using Redis caching

#### Compliance Ledger Engine

⌚ 03/2025 - 10/2025

A project focused on creating a financial ledger engine with stringent compliance

- Designed a compliant double-entry ledger with 100% transaction accuracy and replayable events

#### Drone Swarm System

⌚ 07/2025 - 11/2025

A project for developing a drone swarm system for coordinated tasks

- Engineered autonomous multi-drone coordination with 92% detection accuracy