

# CORENTIN GIAUFER-SAUBERT

## Cloud Developer | Backend & System Design Expertise

contact@corentings.dev • <https://corentings.dev> • <https://github.com/CorentinGS> • Nice, FR

- Open to Relocation or Remote

### Summary

Golang Developer professional with over 4 years of experience in backend development and system design, expert in building scalable cloud-native architectures and algorithm optimization. Key achievements include co-architecting a chess learning platform to support hundreds of concurrent users and optimizing a Portable Game Notation (PGN) parser to enhance data processing by 200%. Actively contributes to open-source projects and engages with technical communities.

### Experience

#### ChessMood

Yerevan, Armenia (remote)

Software Engineer Backend

06/2024

- **System Design:** Co-architected a scalable chess learning platform leveraging AWS services, including Lambda, API Gateway, DynamoDB, SQS/SNS, and Aurora RDS, to handle hundreds of concurrent users.
- **Infrastructure as Code:** Utilized Terraform to provision and manage infrastructure, ensuring efficient scaling and consistency across environments.
- **Algorithm Optimization:** Improved and monitored the PGN parser and game analyzer services, enhancing efficiency by 200%.
- **Chess Algorithm Development:** Designed innovative chess pattern recognition systems using graph-based methodologies to analyze games and suggest improvements.
- **Cross-Data Analysis:** Integrated systems to analyze video content, gameplay data, and player statistics, delivering actionable insights.
- **Collaboration:** Worked closely with a diverse, cross-cultural team of chess experts and developers to align technical innovations with user needs.

#### TFD Recrutement

Nice, FR

Project Manager & Backend Developer

12/2022 - 09/2023

- **Leadership:** Directed a team of three to deliver a recruitment management platform from concept to production.
- **System Design:** Designed and monitored a complete backend architecture, implemented telemetry with OpenTelemetry, and optimized performance with PostgreSQL and Redis.
- **CI/CD Implementation:** Established automated Docker-based CI/CD pipelines, reducing deployment times and improving code reliability.
- **Search & Integration:** Integrated Meilisearch for advanced job search capabilities and developed OpenAPI-compliant APIs.

#### ONE-TOO / CONTACT-AZUR

Carros, FR

Embedded Systems Intern

07/2021 - 07/2021

- Created communication interfaces in C for embedded systems to ensure reliable data exchange.
- Designed a user-friendly C++/Qt graphical interface, improving operator workflows.
- Authored comprehensive technical documentation to support future system development and knowledge transfer.

### Technical Skills

**Programming Languages:** Golang · C · Python · C# · Htmx · SQL · C#

**Backend Technologies:** PostgreSQL · Cassandra · Scylla · Redis · Docker · Protobuf · gRPC · OpenTelemetry · Nats · Kubernetes

**Specializations:** Cloud-Native Architectures · Distributed Systems · Microservices Design · SQL · Rest API · Design Patterns

**Development Tools:** GitHub Actions · CI/CD Pipelines · Testcontainers · Devcontainers · AWS · Git

## Personal Projects

### Golang Chess Library

2025

- Maintains a state-of-the-art PGN parser and chess library, improving parsing efficiency by 100%.
- Enhanced game analysis with advanced chess features and pattern recognition algorithms.

### Blipper

2025

- Designed an open-source, Twitter-alternative platform focused on scalability and microservice architecture.
- Built fault-tolerant architectures and integrated advanced distributed systems methodologies to ensure high availability.

### Memnix

10/2021 - 01/2024

- Developed a spaced repetition flashcards application in Golang.
- Implemented observability with Jaeger, Prometheus and OpenTelemetry for monitoring and debugging.

## Education

### IU Internationale Hochschule

Remote

Bachelor of Science in Computer Science

2022 - Present

### Université Côte d'Azur

Nice, FR

Computer Science Studies

2021 - 2022

## Volunteering

### Echiquier Nicois

Board Member

01/2024 - Present

Led a comprehensive club reconstruction, overseeing website development and financial restructuring (e.g., cost reduction).

### Chess.com

Twitch Moderator

05/2023 - Present

Moderated the Chess.com French Twitch channel.

## My Life Philosophy

"Some part of a mistake is always correct"

— [Savielly Tartakover](#)

## Languages

French Native

English Proficient

German Beginner

## Interests

 Chess

 Volleyball

 Aeronautics