

# EDWIN SIBY

## BACK-END DEVELOPER

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[GitHub](#) [DockerHub](#) [Blogs](#)

## PROFESSIONAL SUMMARY

Back-end Developer with extensive experience in building and maintaining the back-end systems primarily using Golang. Proven history of developing scalable APIs, integrating with other systems, and managing databases like PostgreSQL, focusing on optimal data querying and performance. Proficient in Microservices Architecture, implementing security configurations, and creating infrastructure of web and mobile applications.

## SKILLS

- **Programming Languages** - Golang (Go Programming Language), C++, HTML, CSS, XML
- **Frameworks and Database** - Gin, Gorilla/Mux, net/HTTP, MySQL, PostgreSQL, MongoDB
- **Protocols and Architecture** - HTTP, WebSocket, gRPC, RESTful API, Microservices
- **Documentation and Testing** - Swagger, Postman, Unit Test, Integration Test, Mocking
- **Version control and Repositories** - Git, GitHub, GitLab, Docker, DockerHub, Minikube
- **Deployment** - CI/CD, Containerisation (Docker, Minikube), Docker-Compose, AWS
- Kubernetes, Nginx, React.js, Terraform, AWS-Lambda, WebRTC
- Debugging and Performance Optimization
- RESTful API Development and Microservices Architecture
- Strong Leadership, Teamwork, and Communication Skills

## PROFESSIONAL EXPERIENCE

### Back-end Developer

Dec 2023 – Present

Trademarkia | Chennai, India

- Designed and optimized scalable backend systems for intellectual property platforms, using Golang and AWS.
- Utilized cloud services like Lambda, SES, SQS, S3, CloudFront, and RDS and potentially leverage message queues for real-time data integration.
- Created new features, enhanced code, and integrated with third-party APIs and government systems, achieving 15% improvement in code quality, security, and performance.
- Developed microservices, cli tools and Cron systems for global search, improving 20% efficiency in global search.
- Maintained robust data storage solutions, especially with PostgreSQL, and applied data protection mechanisms.
- Lead backend projects, provided guidance to junior developers, and ensured adherence to best practices.
- Worked closely with product managers, designers, and other developers to ensure cohesive product development.

### Key Achievements:

- Built email system with analytics and revenue tracking, eliminating third-party costs and establishing in-house SaaS.
- 100% cost cut and boosted revenue with 25% with email follow-ups and proper email triggers and schedulers.
- Revamped India IP project single-handedly, cutting new service integration time from 1 day to 10 minutes through automation and API redesign.
- Improved API flexibility by introducing a more dynamic API approach, minimizing backend–frontend dependencies, enabling faster iteration, and reducing integration overhead
- Hired and scaled the backend team across India and international operations, ensuring long-term retention.
- Developed microservices, cron jobs, and CLI tools that boosted global trademark email notification system.

## **PROJECTS**

### **Live Streaming and Community Platform**

[Website](#) [GitHub](#) [DockerHub](#)

- Collaborative project with React.js, Node.js and Golang Developers.
- Applied WebRTC for video streaming and Video conferencing with Agora service provider.
- Enforced WebSocket protocol for real-time chat and S3 Bucket AWS for media storage.
- Used MongoDB Atlas and PostgreSQL databases for data management.
- Adapted Microservice architecture with secured gRPC and HTTP communication protocols.
- Followed Clean Architecture, Unit Testing and CI/CD with GitHub action-flow.
- Containerized all microservices with Docker and Deployed them in DockerHub.
- Rewards for referrals and coin system for exclusive content uploading and watching.
- Hosted the website in AWS EC2 with Nginx, Route53, DNS and RDS.

### **E-Commerce Website**

[Swagger](#) [GitHub](#) [DockerHub](#)

- Dynamic E-commerce Website for Apparel and Ticket Sales.
- Used Gin Framework and Clean Architecture Principles for back-end development.
- Integrated Swagger API Documentation and Postman for API interaction.
- Incorporated Twilio for OTP Verification and Razorpay for online payment.
- Added PostgreSQL database for data management and used AWS RDS for scaling.
- Converted from monolith to Microservices architecture and containerized microservices.
- Containerization using Docker and Image management with DockerHub and Docker-Compose.
- Adapted JWT token for cookie management and securing API calls.
- Added Unit and Integration Test, Implemented CI/CD pipeline with GitHub-actions.
- Deployed the project in AWS EC2 instance and Managed DNS, Nginx and Route53.

### **MS Electricals Attendance & Tool Management**

[Application](#)

- Built RESTful APIs in Golang using Gin to handle attendance, leave requests, and tool management operations.
- Designed and optimized PostgreSQL schemas for storing employee, attendance, and inventory data.
- Implemented JWT-based authentication and role-based access control for secure user management.
- Attendance management with location coordinates matching.
- Containerized the backend using Docker and deployed services on AWS EC2, storing files on AWS S3.
- Collaborated with frontend and mobile teams to ensure smooth API integration and data consistency.

### **Mini Projects:**

- Mail-Sender: [GitHub](#)
- Video Streamer: [GitHub](#)
- Chat-App: [GitHub](#)
- Msg-Generator: [GitHub](#)

## **EDUCATION**

**Bachelor of Technology in Electronics and Communication** | 2017-2021

College of Engineering | Munnar, India

## **TRAINING & CERTIFICATIONS**

**Back-end Development using Golang** | Brototype, 2023