Abdul Rauf

Backend Engineer specializing in GoLang & Distributed Systems

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PROFESSIONAL SUMMARY
Software engineer with 6 years of experience architecting and scaling distributed systems. Proven track record in:
- Developing high-performance microservices and API integrations.
- Implementing clean architecture principles in large-scale applications.
- Delivering complex technical projects with cross-functional teams.

PROFESSIONAL EXPERIENCE
- **Golang Developer | Ohmyhome, Singapore | June 2022 – Present**
  - Sendbird integration to legacy chat service.
  - Implement Manual Listing Verification to the admin console.
  - Developed Generic Rules Engine framework for Whatsapp Chatbot and Web booking form.
  - Integrate Typeform tools to notify agent for Listing Viewing from buyer.
  - Architected and developed key real estate features for Homer App including:
    - AI-powered home valuation system.
    - Batch process for valuation monthly refresh.
    - Singpass integration for user verification
    - Address management system.
    - Real-time market transaction analytics.
    - Intelligent buyer-property matching engine,
    - Financial calculation suite (mortgage, affordability, cash proceeds).
    - Property search system.
    - Agent portal for deal tracking to internal Agent and Operator.
    - Workflow engine for listing presentation. Integrating tools such *Calendly, Google Calendar, Google Contact, Whatsapp, Hubspot*.
  - Enhanced system reliability and performance through Implementation of New Relic.
  - Improved development quality and efficiency by:
    - Leading code review processes to maintain high code quality standards.
    - Delivering timely hotfixes for both current and legacy systems.
    - Collaborating with QA and product teams to align technical solutions with business requirements.
  - Technologies: ***Golang, Postgres, Docker, Tinybird, AuthO, AWS, REST APIs, New Relic, Uptrace.***

- **Golang Developer | Hashmato, Singapore | August 2024 – Present (Part-time)**
  - Architected and implemented enterprise license management system:
    - Developed comprehensive license management service handling tenant key lifecycle (request, approval, rejection, revoke).
    - Engineered cross-platform client application with Windows installer integration using NSIS.
    - Implemented sophisticated event-driven architecture combining:
      - Server-Sent Events (SSE) for real-time UI updates.
      - gRPC for reliable data synchronization.
      - Custom in-house Pub/Sub system for event bus management.
  - Technologies: ***Golang, Postgres, Docker, Traefik, SQLite, gRPC, NSIS.***

- **Golang Developer | PT Semudahitu, Indonesia | August (Freelance)**
  - Architected real-time bidirectional synchronization system between Semudahitu and Perpack platforms.
  - Implemented robust inventory management system with:
    - Real-time stock level synchronization.
    - Automated sales data reconciliation.
    - Transaction consistency monitoring.
  - Developed fault-tolerant integration layer ensuring data integrity across both platforms.
  - Technologies: ***Golang, MongoDB, Docker, RabbitMQ, REST APIs, Event-Driven Architecture.***

- **Golang Developer | RushOwl, Singapore | June 2021 – May 2022**
  - Implemented real-time driver tracking microservice using Kafka.
  - Built scalable notification system handling notifications using Golang concurrency patterns.
  - Utilized Google Maps API, Pelias, and OneMap to build a geocoding feature in Golang.
  - Technologies: ***Golang, Postgres, Docker, RabbitMQ, Kafka, REST APIs, GRPC, Kubernetes, AWS S3.***

- **Technical Analyst | AIA Singapore | January 2019 – May 2021**
  - Assisted the BA team with testing of the Reinsurance application, ensuring quality through various scenarios.
  - Developed business objects for POS reports in the AS400 environment.
  - Managed deployments and conducted internal training for the Promotion Team.
  - Technologies: *COBOL, DB2, AS400.*

TECHNICAL SKILLS
- Programming Languages: Golang, Python, Ruby, COBOL
- Web Technologies: REST
- Cloud Services: AWS (SQS, SNS, S3, CodeBuild, EC2, ECS, Lambda, EventBridge, CloudWatch)
- Databases: Postgres SQL, DB2, Redis, MongoDB
- ORM: Gorm, Bun
- API Testing: Postman, Swagger
- Communication & Collaboration Tools: Slack, Microsoft Teams, Zoom
- DevOps: Docker, GitHub Actions
- APM: New Relic, Sentry, Uptrace
- Authentication/Authorization: Auth0, JSON Web Tokens (JWT)
- Version Control & Repository Management: Git, GitHub, GitLab, Bitbucket
- Operating Systems: Linux, Mac, Windows
- Data Processing: Tinybird
- Web Frameworks: Gin, Echo, Mux, Chi, Fiber
- Others: HubSpot

LANGUAGES
- English (Fluent)
- Bahasa Indonesia (Native)

EDUCATION
- Bachelor's Degree in Informatics Engineering, Universitas Muhammadiyah Malang, 2018
- Backend Development Bootcamp, Glints Academy Powered By Binar, 2018