DERWIN OESMANTO

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SUMMARY

Backend Engineer with 3 years of experience and a strong foundation in Backend, specializing in Microservices, Scripting and AWS. Proficient in designing and developing scalable microservices using Golang and NestJS, integrating event-driven architecture with Kafka, and optimizing systems with MySQL, Redis, Kafka, RabbitMQ and Minio. Experienced in K6, and modern DevOps tools like OCP, Kibana, and Elasticsearch. Adept at building reusable modules and working cross-functionally in Agile teams.

EXPERIENCE

Backend Developer

PT Bank Rakyat Indonesia   NOVEMBER 2024 – PRESENT, Jakarta, Indonesia

· Developed features such as Login, Ewallet, QR, Transfer, Pocket, and Junior.
· Developed microservices using Golang, Deployed and managed services on OCP.
· Implemented Kafka and RabbitMQ for real-time event streaming and data processing.
· Managed MySQL and Redis for high-performance data storage and caching.
· Utilized K6 to test Rest APIs, Minio as file storage Kibana and Elasticsearch for logging.
· Working with an API Gateway built on PHP (CodeIgniter).

Backend Developer

PT Kaleb Makmur Adhigana   JULY 2024 – OCTOBER 2024, Jakarta, Indonesia

· Develop Rest APIs Microservices using NestJS for Bank Syariah Indonesia and PT Indo Gadai Prima.
· Integrate payment and fund withdrawal systems in the customer application with Flip Payment Gateway.
· Develop reusable library to be used on microservices such as Logger, Image Transformation, Discord Logger, Storage module (Local/S3), Cache (Redis), and more.

Software Laboratory Assistant

BINUS UNIVERSITY   OCTOBER 2022 – June 2023, Jakarta, Indonesia

· Taught students in Computer Science and Information Systems subjects such as Scientific Computing, Web-Based Application Development, and Human-Computer Interaction.
· Received training in C, Java, Databases, Computer Vision (Python), PHP, UI Design (Figma), and Computer Networks (Cisco).
· Responsible for creating exam questions and grading students' answers.

Fullstack Developer and Mobile Developer

PT Metro Favorit Citraabadi   MAY 2021 – MAY 2022, Jakarta, Indonesia

· Developed website using ReactJS and mobile app with Jetpack Compose.
· Developed a backend service using Golang to support the online menu system.
· Created APIs in Golang for seamless communication between the mobile app and database.

PROJECT

Perintis

perintis.app · June 2025 – Present

· Processes 1,000+ API requests daily across 8 microservices using Golang and gRPC with Protocol Buffers for 60% faster data serialization.
· Achieves 99.9% uptime with Kubernetes (k3s) orchestration, Rancher management, and Traefik across development and production environments.
· Analyzes startup ideas monthly using OpenRouter AI APIs, Reddit data, and SerpAPI, with results monitored in Elasticsearch.
· Handles users with Next.js 15 App Router, server-side rendering, and CDN optimization achieving 95+ Lighthouse performance scores.
· Integrates 10+ third-party APIs including GitHub, ProductHunt, and AWS, processing market validation data monthly through our API gateway.
· Supports multi-currency payments via Xendit gateway with 99.5% transaction success rate, serving users across 5 Southeast Asian countries.
· Deliver emails through Brevo campaigns, sending personalized developer education emails monthly with AI-driven content.
· Stores user-generated content on AWS S3 via CloudFront.
· Tracks 100+ KPIs in real-time using Google Analytics, Meta Pixel, and Plausible, monitoring user behavior across 2 conversion funnels.

Makeadle

April 2025 – May 2025

· Used K3s for managing containers and deployments.
· Self hosted kafka, elasticsearch, golang microservices and NextJS website.

· Engineered a suite of interactive, wordle–inspired games to enhance user engagement and drive repeat visits through innovative game mechanics and seamless web integration.

Cynxhost

June 2024 – October 2024

· Automated SSH Management: Uses webhooks to trigger SSH commands for seamless server control.
· Dynamic DNS Updates: Automatically updates DNS records via Cloudflare.
· Golang–Powered Backend: Ensures high performance and efficiency.
· AWS Integration: Utilizes EC2 for hosting, RDS (MySQL) for databases, and S3 for storage.
· Dockerized Services: Enables containerized deployment for scalability.
· Persistent SSH Sessions: Uses Tmux to maintain active connections.

Socialbot

January 2024 – June 2024

· Automatic Scheduled Posting using Google API (YouTube), Meta API (Instagram & Facebook), and Tiktok API.
· Hosted on AWS EC2, connected to AWS RDS with PostgreSQL, data stored on S3.
· Github Actions automatic deployment using ECR, deployed on EC2.
· NestJS Backend following Clean Code Architecture using Design Patterns like Services, Controllers, Repository, DTOs, Entity.

Mobiledle

May 2023 – November 2023

· GraphQL API with DynamoDB Database using AWS Amplify backend.
· Serverless Real–Time Multiplayer for 1–12 Players using AWS Lambda dan AWS Step Functions.
· 1.2k+ Followers on TikTok, 1.4k+ Views on YouTube with 3.6k+ Unique Users.

Restaurant Mobile App

March 2023 – May 2023

· Developed Kotlin Jetpack Compose Android App.
· MongoDB Database, and MongoDB Atlas for backend.
· Utilized Twilio for OTP, and MongoDB Realm for caching.

Personal Online Taxi Booking

January 2023 – March 2023

· Developed Single Page Form using ReactJS.
· Used Tailwind for styling and redirects to Whatsapp.
· Utilized Google Maps API to locate nearest location.

Restaurant Menu Website

March 2022 – May 2022

· Developed website using ReactJS for showing Menu.
· Utilized Tailwind for Styling and GSAP for animations.
· Stored Product Data on a JSON File.

EDUCATION

BINUS ALAM SUTERA · JUNI 2022 – JUNI 2026 · 3.5
· Information Systems.

SKILLS

Skills: AWS EC2, S3, Lambda, Amplify, DynamoDB, AMI, ECR, PostgreSQL, MySQL, MongoDB, Golang, NodeJS, NestJS, React, Git, Docker / Docker Compose, Automation (CI/CD Deployment), Indonesian (Fluent), English (Fluent) + IELTS 7.5