PANDU DWI PUTRA NUGROHO

Backend Engineer

+62 821-2227-4139 | pandu@pandudpn.id | www.linkedin.com/in/pandudpn | Jakarta, Indonesia

Profile

An innovative and results-driven professional with a wealth of experience in developing and optimizing software solutions. Skilled in Clean Architecture and SOLID principles, I am dedicated to crafting high-quality, maintainable code while ensuring robust system security. With deep expertise in backend development, I excel in leading cross-functional teams to deliver innovative solutions that meet business needs. I am passionate about mentoring and fostering a culture of continuous learning and improvement, encouraging teams to reach their full potential.

Experience

Hacktiv8 (Part-time)
Jakarta, Indonesia
Feb 2025 - Jun 2025

Fullstack Instructor
Technologies: Go, JavaScript

- Instructed and mentored students in fullstack development, focusing on best practices and modern frameworks.
- Developed comprehensive curriculum materials and hands-on projects to enhance learning experiences.
- Facilitated workshops and coding bootcamps, helping students transition into professional software development roles.

Duitin Indonesia (Freelance)
Jakarta, Indonesia
Dec 2024 - Jun 2025

Technical Lead
Technologies: Go, PostgreSQL, Redis, gRPC, Kubernetes, Signoz, EMQX

- Led the design and implementation of systems for Duitin Contributor, Duitin Picker, Duitin B2B, and Tradisi.
- Coordinated cross-functional teams to ensure alignment on project goals and timelines.
- Implemented scalable architecture solutions to support growing business needs and improve system performance.
- Utilized Signoz for monitoring and optimizing application performance, ensuring high availability and reliability.
- Spearheaded the adoption of best practices in code quality, testing, and deployment processes.
- Collaborated with stakeholders to define technical requirements and deliver innovative solutions.
- Conducted regular code reviews and provided technical guidance to enhance team productivity and skill development.

Pintar Ventura Group
Jakarta, Indonesia
Sept 2023 - May 2025

Senior Backend Engineer
Technologies: Go, PostgreSQL, Redis, Kafka, gRPC, Kubernetes, Prometheus, OpenSearch

- Successfully refactored 45 microservices to improve code quality and system performance.
- Enhanced data security by implementing Digital Signature, OAuth, and Refresh Token mechanisms.
- Collaborated with Product Managers to design and implement features such as Product Purchasing, Top-up, and User Registration using Kafka for reliable communication between services.
- Spearheaded the integration of HashiCorp Vault for managing sensitive environment variables, significantly improving security and scalability.
- Worked closely with DevOps teams to integrate OpenSearch for centralized logging and real-time performance monitoring

Axiata Digital Labs
Jakarta, Indonesia
Dec 2021 - Sept 2023

Senior Software Engineer

Technologies: Go, MongoDB, Redis, Solace, OpenSearch, DataDog, gRPC, Prometheus

- Led the development of backend solutions for a design system, utilizing modern technologies and frameworks.
- Refactored existing codebases using design patterns, significantly increasing performance and scalability.
- Conducted detailed code reviews to enforce industry best practices and maintain high code quality.
- Integrated essential monitoring tools, including Prometheus and DataDog APM, to provide actionable insights into system performance.

PT Sagara Technology (Freelance)
Jakarta, Indonesia

Backend Engineer
Jul 2021 - Jun 2023

Technologies: Go, PostgreSQL, Redis, gRPC, NSQ, ELK, Prometheus, Jaeger, Kubernetes
- Developed comprehensive backend services for BRInvestYuk, ensuring seamless functionality and support.
- Established standardized logging protocols across services, integrating with ELK stack for efficient log management.
- Created GitLab CI pipelines to automate deployments to Kubernetes on Google Cloud Platform.
- Collaborated on various projects, enhancing e-commerce features and streamlining database architecture.

PT Otten Coffee Indonesia
Bekasi, Indonesia

Backend Developer
Apr 2021 - Jan 2022

Technologies: Go, PHP, PostgreSQL, AWS Lambda, Docker, Redis, RabbitMQ
- Led the development of features for the ottencoffee.co.id platform, improving user experience and operational efficiency.
- Integrated various logistics services such as SiCepat and GO-SEND to enhance delivery options.
- Developed a scheduler feature for automatic courier pickups, optimizing logistics operations.

OneSound.id (Freelance)
Jakarta, Indonesia

Backend Developer
Nov 2020 - Jul 2021

Technologies: Go, PostgreSQL, Docker, Redis, NSQ
- Designed and implemented new features that enriched platform functionality and user engagement.
- Engineered a Kubernetes cluster on DigitalOcean using Terraform to create a scalable infrastructure.

PT Klik Digital Sinergi
Jakarta, Indonesia

Backend Developer
Jan 2020 - Apr 2021

Technologies: Go, MongoDB, Kubernetes, Redis, Solace, Terraform, ELK
- Led backend enhancements for AXISnet, focusing on efficient service restructuring and security by implementing OAuth2.
- Architected cloud infrastructure on AWS, including VPC setup, EKS clusters, and auto-scaling configurations.

PT Derap Kreasi Persada
Jakarta, Indonesia

Backend Developer
Jul 2019 - Dec 2019

Technologies: Go, PostgreSQL, Redis
- Developed payment features using E-Wallets like Go-Pay and OVO, facilitating seamless transactions.
- Integrated with Bank BCA for reliable money transfer functionalities.
- Created a CMS for managing transaction lists and product catalogs.

PT Integrated Synergy System
Jakarta, Indonesia

Backend Developer
May 2019 - Jul 2019

Technologies: PHP, Laravel, MySQL, Redis
- Designed and developed a CMS for managing tournament brackets, teams, and player profiles.
- Integrated bracket systems with Challonge for effective tournament management.

Education

Universitas Budi Luhur
Information System (GPA 3.38/4.0)

Jakarta, Indonesia
Sept 2015 - Sept 2019

Language and Technologies

- Indonesia and English
- Golang, PHP, NodeJS, ReactJS, Kotlin, Laravel, Terraform
- Kubernetes, Docker, VM
- GCP, AWS, Azure
- MySQL, PostgreSQL, MongoDB, ElasticSearch, OpenSearch, Redis
- Prometheus, Grafana, Open Telemetry
- Gitlab CI, Jenkins (Groovy), GitHub Actions