

Ida Bagus Gede Agung Widhi Adnyana Yasa

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SUMMARY

Senior Software Engineer with 8+ years of experience architecting scalable backend systems and IoT-driven platforms on AWS. Strong background in TypeScript/Node.js and microservices architecture, currently advancing high-performance services using Golang. Experienced in backend modernization, distributed access control systems, and cloud-native design, with a focus on scalability, security, and long-term maintainability.

EXPERIENCE

Senior Software Engineer | PropHero

Apr '26 – Present

- Own the customer portal as a full-stack engineer, from backend APIs and data models to the customer-facing web interface.
- Deliver customer portal features end to end, from requirements and technical design with product and design to release in production.
- Keep the portal reliable and maintainable through code reviews, testing, and incremental improvements to its architecture.

Software Engineer III | igloohome

Sep '20 – Mar '26

- Led the IglooWorks platform engineering team, owning end-to-end backend architecture decisions from system design and API contracts to data modeling for a growing IoT access management platform serving enterprise clients across multiple markets.
- Reduced production incidents by enforcing code review standards, security best practices, and structured knowledge-sharing sessions across the platform engineering team.
- Developed AlgoPass from PRD — designed scalable backend services and secure access workflows against approved TDD, ensuring zero architectural drift between design and delivery.
- Migrated core services from TypeScript to Golang on AWS to address response time degradation under load, improving concurrency handling and long-term code maintainability.

Software Engineer — Full Stack | Archipelago Technology

Jan '21 – Nov '25

- Overhauled ninjavan.co for Ninja Van by implementing a new design system and region-specific dynamic forms, improving localization flexibility and delivering a more consistent user experience across Southeast Asian markets.
- Built a Shopify plugin for Ninja Van's delivery integration, enabling merchants to automate shipment processing and streamline e-commerce logistics workflows directly from their storefronts.
- Developed an internal Cash-on-Delivery (COD) web portal for Ninja Van driver operations, simplifying reconciliation workflows for field teams.
- Delivered end-to-end IoT firmware for Raspberry Pi-based nanobubble devices at Aquapro Solutions, enabling remote device control, hardware-level integration, and a real-time monitoring dashboard for device health tracking and operational analytics.

Software Engineer | igloohome

Aug '19 – Aug '20

- Developed an IoT Proof-of-Concept mailbox sensor integrated with AWS IoT Core, enabling real-time device communication and event-driven data processing as part of igloohome's smart lock platform initiatives.
- Architected scalable microservices supporting both Igloohome and IglooWorks platforms, improving system modularity, service isolation, and deployment scalability across a growing device ecosystem.

- Built the Spiderweb operational web platform to streamline smart lock deployments across Singapore, centralizing appointment scheduling, location tracking, and field team coordination.
- Led the China-specific adaptation of IglooWorks, redesigning cloud integrations and replacing unsupported AWS services to ensure regulatory compliance and stable deployment within mainland China environments.
- Optimized MongoDB queries and indexing strategies, significantly reducing response latency and improving overall database efficiency across core platform services.

Software Engineer | igloohome

Nov '18 – Jul '19

- Developed IglooWorks, a B2B enterprise dashboard for smart lock access management at igloohome, enabling centralized device control, granular user permission management, and operational visibility for enterprise clients.
- Implemented an OTP-based remote access system with secure PIN generation and SMS delivery, enabling time-bound remote authorization workflows and strengthening access security for enterprise deployments.
- Built a scalable, framework-agnostic component system for IglooWorks using Stencil.js, creating reusable Web Components that standardized UI architecture and improved frontend development consistency across applications.

Frontend Developer | Jump4it

Apr '17 – Nov '17

- Built pixel-perfect, responsive Concrete5 CMS templates from detailed design specs, ensuring cross-browser compatibility and a consistent user experience across client projects.
- Developed custom PHP applications and CMS plugins tailored to diverse client requirements, extending platform functionality and improving long-term maintainability.
- Integrated third-party APIs including Facebook and Stripe, enabling social authentication, payment processing, and seamless external service connectivity.

EDUCATION

STMIK STIKOM Bali

2012 – 2016

Bachelor of Computer Science — GPA: 3.49 / 4.00

Concentration: Computer Systems | Game Development & Automatic Control Systems

SKILLS

Programming Languages: Go, TypeScript, JavaScript (ES6+), PHP

Backend & Architecture: Node.js, Microservices Architecture, RESTful API Design, Distributed Systems, Event-Driven Architecture, Access Control & Authorization Systems, System Design, Clean Architecture Principles

Cloud & Infrastructure: AWS (Lambda, API Gateway, S3, RDS, IoT Core), Serverless Architecture, Cloud-Native Development, Infrastructure Adaptation (China Deployment Constraints)

Database & Data: MongoDB, SQL (MySQL / PostgreSQL), Query Optimization & Indexing, Performance Tuning

Frontend & Web: React, Stencil.js (Web Components), Design Systems Development, Responsive Web Development

Security & Integration: JWT & OAuth, OTP / PIN-based Access Systems, Stripe, Facebook API

Engineering Practices: Code Review & Technical Mentorship