





# DONDON REYES HERRERA

## Senior Software Engineer | .NET, Azure & AI Engineering

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### PROFILE

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**Senior Software Engineer** with 7+ years of experience designing enterprise-grade backend systems, cloud-native platforms, distributed services, and scalable APIs across SaaS, fintech, logistics, e-commerce, and operational business domains. Specialized in C#, .NET Core, Azure, Node.js, Java, PostgreSQL, MongoDB, Kafka, Redis, Terraform, and CI/CD automation with strong expertise in microservices architecture, integration patterns, observability, and infrastructure modernization. Experienced integrating AI-assisted engineering workflows using GitHub Copilot, Claude Code, RAG concepts, and AI-powered development tooling to improve engineering velocity and code quality. Proven track record delivering production-ready systems handling high-volume workloads, reducing operational bottlenecks, and leading scalable software initiatives across cross-functional engineering teams.

### PROFESSIONAL EXPERIENCE

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#### Senior Software Engineer, Offshore Team

Apr 2023 – Jul 2024 | Remote

- Architected and delivered enterprise SaaS backend services using C#, .NET Core, Node.js, PostgreSQL, Redis, and Kafka, supporting more than 120K monthly active users across multi-client deployments.
- Re-engineered API processing workflows and database access patterns, reducing average endpoint latency by 47% and significantly improving peak-hour throughput stability.
- Designed event-driven microservices and asynchronous processing pipelines using Kafka and background workers, decreasing operational bottlenecks by 55%.
- Migrated legacy monolithic services into Docker- and Kubernetes-based microservices, reducing deployment rollback incidents by 40% and improving release reliability.
- Integrated GitHub Copilot and AI-assisted engineering workflows into backend development and debugging processes, accelerating implementation cycles and improving development efficiency across engineering teams.
- Prototyped internal AI-powered engineering utilities using RAG concepts and embedding-based retrieval workflows to improve technical documentation discovery and troubleshooting efficiency.
- Expanded Azure deployment support using Azure App Services, Azure Storage, and infrastructure automation practices for enterprise customer environments.
- Implemented observability improvements using centralized logging, metrics tracking, and production monitoring workflows to improve system visibility and incident response quality.
- Crafted CI/CD pipelines using GitHub Actions and Jenkins, enabling multiple production deployments per day while improving release consistency.
- Mentored junior and mid-level engineers through architecture reviews, pair programming, debugging guidance, and backend engineering best practices.

#### Senior Backend Engineer, Kobkiat-IT

Oct 2020 – Nov 2023 | Remote

- Engineered scalable backend systems for logistics, e-commerce, booking, CRM, and operational business platforms using Java, Spring Boot, .NET Core, Node.js, MongoDB, and PostgreSQL.
- Delivered high-volume transaction processing services handling more than 1.5M monthly transactions with stable performance under concurrent workloads.
- Built reusable API orchestration layers and enterprise integration patterns supporting ERP systems, payment gateways, shipping providers, and third-party vendor platforms.
- Optimized database indexing, query execution plans, and distributed caching strategies, improving database performance by 52% while reducing infrastructure resource consumption.
- Automated CI/CD workflows and infrastructure provisioning using Terraform, GitHub Actions, and deployment automation pipelines, reducing manual deployment effort by approximately 40%.
- Integrated Redis-based queue processing and asynchronous background jobs that improved inventory synchronization reliability and reduced failed transaction retries.
- Implemented centralized error handling, retry policies, audit logging, and observability pipelines that reduced production incident resolution time by 45%.
- Collaborated directly with international stakeholders to translate business requirements into scalable backend architectures and production-ready technical solutions.

#### Backend Developer, Emerio

Nov 2019 – Apr 2021 | Manila, PH

- Developed backend APIs and enterprise integration services using Java, Spring Boot, C#, and SQL Server for business process automation platforms.
- Built integration services connecting enterprise applications and third-party systems, reducing manual operational processing effort by 60%.
- Improved backend performance through API refactoring, asynchronous processing, and query optimization, decreasing average processing time by 42%.
- Designed scheduled synchronization services and data migration workflows handling large operational datasets and reporting pipelines.
- Contributed to CI/CD modernization initiatives and deployment automation workflows that improved engineering delivery consistency.
- Collaborated with QA and infrastructure teams to troubleshoot production issues and improve application observability and reliability.

## Backend Developer, Yeaps

Nov 2018 – Jun 2019 | Manila, PH

- Developed backend APIs and server-side modules using Node.js, Express.js, MySQL, and MongoDB for operational and customer-facing platforms.
- Established authentication, session management, and secure API communication layers supporting customer-facing web applications.
- Launched reusable backend components and modular service layers that accelerated engineering delivery across multiple internal projects.
- Optimized API response handling and database queries, improving service response times by approximately 30%.
- Incorporated payment processing services, third-party APIs, and notification systems into backend workflows.
- Supported production deployment activities, debugging operations, and Agile-based development workflows.

## PROJECTS

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### Payperclip - Content Monetization Platform

Built scalable backend APIs and payment integration services using .NET Core and Node.js for a creator-focused content monetization platform supporting secure subscription and transaction workflows.

### Jurlique Real-Time E-Commerce Event Integration

Developed real-time backend integration pipelines and event-driven synchronization services connecting e-commerce platforms, inventory systems, and third-party operational services.

### RespAi - Fire Department CRM & Lead Generation Platform

Engineered backend services and multi-tenant CRM modules for a fire department management and lead generation platform with role-based access control and automated workflow processing.

### Paysociety E-Wallet System

Implemented secure transaction processing APIs, wallet services, and authentication modules for an e-wallet platform handling digital payments and financial operations.

### E-Commerce Operations & Integration Platform

Designed backend integrations and operational automation services supporting order management, inventory synchronization, and third-party logistics processing across multiple e-commerce brands.

## SKILLS

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### Backend Engineering & Architecture

C#, .NET Core, ASP.NET Core, Entity Framework Core, Java, Spring Boot, Node.js, Express.js, NestJS, REST APIs, GraphQL, gRPC, Distributed Systems, Event-Driven Architecture, Microservices Architecture, API Gateway Design, Multi-Tenant Systems, Domain-Driven Design (DDD), CQRS, Clean Architecture, Scalable Backend Platforms, Integration Patterns, High-Availability Systems

### AI Engineering & AI-Assisted Development

GitHub Copilot, Claude Code, AI-Assisted SDLC, Prompt Engineering, LLM Integration, OpenAI API, Claude API, Retrieval-Augmented Generation (RAG), Embeddings, Semantic Search Concepts, AI Workflow Automation, AI-Augmented Productivity, AI-Powered Backend Services, AI Agent Concepts, Context Engineering, Vector Search Concepts, MCP Concepts, AI Code Review Workflows

### Cloud Platforms & Infrastructure

Microsoft Azure, Azure App Services, Azure Functions, Azure Storage, Azure DevOps, Azure Monitor, Azure Key Vault, AWS (EC2, ECS, EKS, Lambda, S3, RDS, DynamoDB, CloudWatch), Google Cloud Platform (GCP), Cloud-Native Architecture, Infrastructure as Code (IaC), Terraform, Infrastructure Automation, Multi-Environment Deployment

### DevOps & CI/CD

Docker, Kubernetes, GitHub Actions, Jenkins, Azure DevOps Pipelines, GitLab CI/CD, Helm, Linux, Bash Scripting, NGINX, Release Engineering, Blue-Green Deployment, Rolling Deployment, Container Orchestration, Build Automation, Deployment Automation

### Databases & Data Engineering

PostgreSQL, Microsoft SQL Server, MySQL, MongoDB, Redis, DynamoDB, Elasticsearch, Query Optimization, Database Indexing, ETL Pipelines, Data Modeling, High-Volume Transaction Processing, Distributed Caching, Connection Pooling, Data Synchronization

### Messaging & Real-Time Systems

Apache Kafka, RabbitMQ, Queue-Based Processing, Pub/Sub Systems, Event Streaming, Background Workers, Asynchronous Processing, Retry Policies, Dead-Letter Queues, High-Throughput Messaging

### Frontend & Integration

Angular, React, Next.js, Vue.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Frontend API Integration, Authentication Flows, Third-Party API Integration, ERP Integration, Payment Gateway Integration

### Engineering Practices

CI/CD, Agile/Scrum, TDD, Unit Testing, Integration Testing, Observability, Structured Logging, Prometheus, Grafana, ELK Stack, System Design, Technical Documentation, Code Review, Pair Programming, Technical Mentorship, Production Debugging, Performance Optimization

## EDUCATION

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### Bow Valley College , Software Development

Sep 2024 – Apr 2026 | Alberta, Canada

Thesis: AI-Assisted Enterprise Knowledge Retrieval Platform Using Retrieval-Augmented Generation (RAG) and Semantic Search

### Cavite State University , Bachelor's Degree in Information Technology

Jun 2011 – Apr 2016 | Cavite, Philippines

Thesis: Web-Based Sales and Inventory Management System with Real-Time Reporting and Analytics

## CERTIFICATES

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### Java: Data Structures

Issued Jan 2026

### M220N: MongoDB for .NET Developers

Issued May 2021