

# Dhon M. Kekim



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## PROFESSIONAL SUMMARY

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An ISTQB-certified Test Manager with 20+ years of QA and software testing experience, evolved into full-stack development with expertise in AI-powered systems, REST API design, and modern cloud-native architectures. Proven ability to design and build end-to-end systems from automation frameworks to production SaaS platforms. Specializes in translating complex requirements into scalable, maintainable solutions with focus on security, auditability, and compliance.

## SKILLS

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### Software Testing & QA:

- Test Analysis, Design, and Execution
- End-to-End (E2E), API, and Database Testing
- Functional, UI/UX, and Accessibility Testing (WCAG 2.0/2.1/2.2)
- Performance & Load Testing (Gatling)
- Test Strategy & Test Planning
- QA Process Optimization & Risk Management
- Root Cause Analysis & Defect Prevention
- Agile & Scrum Methodologies

### Automation and Tools:

- **Cypress** — 185+ E2E tests, Page Object Model, custom commands, API-based authentication
- **Postman** — API testing, test automation, collection management
- **Test Management** — Jira, XRay, AIO Test
- **Monitoring & Reporting** — Allure, Slack notifications, custom dashboards
- **n8n** — Workflow automation, building portfolio projects

### Frontend Development:

- **React** — Hooks, Context, custom hooks, component architecture
- **Next.js** — App Router, Next.js 15, SSR/SSG
- **TypeScript** — Strict mode, comprehensive typing, type-safe patterns
- **Tailwind CSS** — Utility-first styling, responsive design

- **HTML/CSS** — Semantic HTML, accessibility-first design
- **UI/UX Testing** — Lighthouse, accessibility audits, visual regression (Percy)

#### **Backend Development:**

- **Node.js** — Production systems, scalable architectures
- **TypeScript** — Primary backend language
- **Express** — REST API development
- **Fastify** — REST APIs, OpenAPI/Swagger documentation
- **PostgreSQL** — Schema design, migrations, complex queries, Drizzle ORM
- **Job Queues** — BullMQ, pg-boss for async processing
- **REST API Design** — OpenAPI specifications, compliance-first architecture

#### **AI & LLM Integration:**

- **OpenAI API** — GPT-4, Vision models, embeddings
- **RAG Systems** — Document intelligence, multi-stage AI pipelines
- **Semantic Search** — Embeddings, vector search, query optimization
- **Prompt Engineering** — Huge collections of production prompts for high-stakes contexts
- **AI Output Validation** — Hallucination detection, grounding verification, confidence scoring

#### **Data & Search:**

- **Elasticsearch** — Vector search, semantic indexing, aggregations
- **Data Pipeline Validation** — ETL testing, data integrity checks
- **Database Testing** — Multi-table validation, complex query verification

#### **DevOps & CI/CD:**

- **Docker** — Multi-stage builds, docker-compose, containerization
- **Jenkins** — numerous production pipelines, parameterized builds, database coordination
- **Git/GitHub** — Version control, branch strategies, collaborative workflows
- **AWS** — EC2, S3, artifact storage
- **CI/CD & Deployment** — Automated testing, build pipelines, production deployments

## **WORK HISTORY**

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### **Sugarwish**

QA Automation Engineer

March 2024 - to-date

- Designed and built the automation framework from ground up using Cypress + JavaScript
- Designed and drafted comprehensive test cases for automation
- Implemented automated tests covering buyer flows, receiver redemptions, and corporate billing workflows
- Maintained and optimized regression test suite for daily CI/CD integration
- Integrated automation execution with Jenkins and Slack notifications

- Automated complex scenarios: Stripe payment testing, SMS (Twilio, RingCentral), email validation (Gmail API)

## **Xendit Philippines Inc**

Software Engineer - QA

May 2022 - Jan 2024

- Developed and executed QA test cases, automated procedures, and working scripts to uncover bugs for new features and catch regression bugs prior to releasing the new feature in production.
- Planned and created cohesive test plans using advanced testing technologies.
- Assessed fixes/patches and updates across development, testing, and quality assurance stages.
- Evaluated product compliance against design standards and customer needs, conducting usability testing on supported platforms.
- Kept scripts and test cases updated with current requirements, maintained defect databases, and monitored bug resolutions, providing QA perspective to developers.
- Tested functional and compatibility aspects of new programs or updates, authored and maintained efficient manual test cases for the team.
- Created monitoring tools, and established quality metrics that serve as quality standards for feature releases.

## **i2i LLC**

QA / Product Owner

September 2021 - May 2024

- Clearly define and maintain the product backlog, which is a prioritized list of features, enhancements, and fixes.
- Prioritize items in the backlog based on business value, customer needs, and strategic goals.
- Break down high-level features into smaller, manageable user stories with acceptance criteria.
- Ensure that user stories are understandable, feasible, and provide value to the end-users.
- Collaborate with the quality assurance team to ensure that the delivered product meets the defined acceptance criteria and is of high quality.

## **Azeus Systems Philippines Ltd**

Project Team Leader

January 2012 - April 2022 (10 years)

- Developed and maintained comprehensive project plans
- Defined project scope, goals, and deliverables in collaboration with stakeholders, supporting company objectives.
- Reported and monitored regularly project budget, progress, and technical issues, implementing plans for successful execution.

- Monitored progress, analyzed performance data, and facilitated interim retrospective for feedback and improvements.
- Tracked project and team member performance closely to quickly intervene in mistakes or delays.

## **Azeus Systems Philippines Ltd**

QA Lead Tester

January 2008 - April 2022 (14 years)

- Advised developers on issues related to databases, performance, and overall software functionality through bug/defect tracking tools.
- Maintained test plans and test cases to align with current requirements and documented testing procedures.
- Conducted in-depth UI/UX testing on supported platforms and assessed functional and compatibility aspects of new software.
- Incorporated delivery requirements into testing schedules, developed and managed defect databases.
- Monitored test execution progress.
- Create and establish quality metrics that serve as standard when delivering software.
- Documented reports about the overall aspects of testing.

## **Azeus Systems Philippines Ltd**

Software Tester

August 2007 - April 2022 (15 years)

- Helped in drafting test plans and test cases.
- Helped in preparing test data for test execution.
- Helped in maintaining testing documentations.
- Collaborated with the team to test software quality through manual testing.
- Assessed software bugs and compiled findings along with suggested resolutions to developers using a bug tracking tool.
- Executed planned tests and time-sensitive ad hoc requests.
- Helped in executing load/performance/stress testing.
- Evaluated function, performance and design compliance of every feature against design standards and requirements.
- Gather data on integration issues and vulnerabilities, reported findings and recommended improvements.
- Documented testing procedures for future testing use.

## **Maersk Global Service Center**

Team Leader - Business Contingency Team

May 2005 - July 2007 (2 years)

- Helped establish a comprehensive business contingency policies and procedures, outlining steps to be taken in the event of disruptions.

- Helped develop and implement strategies for business continuity and disaster recovery to ensure the organization can effectively respond to and recover from disruptions.
- Provide training to team members and key stakeholders on business continuity plans and procedures.
- Conduct regular drills and exercises to test the effectiveness of business contingency plans. Identify areas for improvement and update plans accordingly.
- Lead affected teams in responding to and managing incidents or disruptions, implementing contingency plans to minimize impact on business operations.

## **CERTIFICATIONS**

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### **International Software Testing Qualifications Board (ISTQB)**

Test Manager - Advanced Level (18-CTAL-TM-142709-06)

September 2012

Contents:

- Testing Process
- Test Management
- Reviews
- Defect Management
- Improving the Testing Process
- Test Tools and Automation
- People Skills

### **International Software Testing Qualifications Board (ISTQB)**

Certified Tester - Foundation Level (18-CTFL-140851-06)

August 2012

Contents:

- Fundamentals of Software Testing
- Testing throughout the Software Life Cycle
- Static Techniques
- Test Design Techniques
- Test Management
- Tool Support for Testing

## **NOTABLE PROJECTS & CASE STUDIES**

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### **Advanced RAG & Document Intelligence Platform (Current)**

Full-Stack SaaS - AI-Powered Document Processing

- Built 4-phase document processing pipeline: ingestion → AI extraction → semantic chunking → indexing
- Implemented 6-stage semantic search pipeline with source attribution and grounding verification
- Integrated OpenAI Vision API for complex PDF handling (tables, scanned documents)
- Designed and implemented 40+ permission domains with fine-grained RBAC system
- Built human-in-the-loop controls for AI output review and validation
- Implemented checkpoint-based crash recovery for resilient processing
- Wrote 10,000+ lines of unit and integration tests
- Tech Stack: Node.js, Express, PostgreSQL, Elasticsearch, OpenAI/Anthropic APIs, React, Next.js

## **Test Orchestration & Automation Platform (Sugarwish)**

### Enterprise QA Infrastructure

- Designed and implemented scalable automation framework using Cypress + JavaScript
- Built test orchestration backend with job queues (BullMQ) and database coordination
- Created test management dashboard (Next.js + React) with real-time monitoring
- Implemented 12+ Jenkins CI/CD pipelines with parameterized builds
- 185+ E2E tests covering multi-environment, multi-viewport, and multi-user role scenarios
- 62+ financial validation tests verifying calculations across DB, UI, PDF, and email
- Integrated Gmail API, Twilio SMS, Percy visual testing, and accessibility audits
- Tech Stack: Cypress, Node.js/TypeScript, Fastify, PostgreSQL, BullMQ, Jenkins

## **AI-Driven QA Knowledgebase (ELK Stack + OpenAI)**

### Intelligent Test Insights Platform

- Developed AI-powered QA knowledge base leveraging ELK Stack and OpenAI
- Created Slack bot integration for natural language queries on automated test insights
- Automated test data ingestion via Logstash and manual entry workflows
- Built semantic search capabilities for intelligent test result discovery

## **Accessibility Testing for WCAG 2.2 Compliance**

### Enterprise Compliance Initiative

- Conducted comprehensive audits using axe, Lighthouse, and NVDA screen readers
- Implemented fixes and improvements for WCAG 2.2 AA compliance
- Documented accessibility standards and best practices for teams

## WORKING STYLE

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- Independent & Self-Directed — Comfortable owning projects end-to-end without detailed specifications
- Async-Friendly — Strong written communication and documentation skills
- Quality-Focused — QA mindset applied to all deliverables
- Iterative — Ships MVPs incrementally, validates assumptions early
- Direct Feedback — Raises concerns early with specific, actionable suggestions