

# Marc Kenneth C. Lomio

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## PROFESSIONAL SUMMARY

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Software Engineer and individual contributor with 6+ years of experience in the Microsoft tech stack. Delivered 12 projects across HR, insurance, e-commerce, healthcare, and more — whether it's developing applications from the ground up, reverse engineering, version upgrades, research & development, or maintenance. Picks up new tools and domains quickly, often ramping up on unfamiliar stacks to deliver ahead of schedule.

## WORK EXPERIENCE

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### Software Engineer — Kinetic Innovative Staffing

Sep 2023 — Present • Brisbane City, Queensland, Australia

- Automated Late WebJobs to run every 30 minutes, improving attendance tracking and cutting absenteeism response time by 25%.
- Built WebJobs to pull 100,000+ daily data points from APIs (Holiday, Screenshot Monitor, Time Doctor, Hubstaff), boosting data accuracy and reducing manual input.
- Created a Booking Calendar with FullCalendar to automate orientation scheduling for 63,000+ candidates.
- Developed a timesheet monitor for 4,000+ team members, improving accountability and reducing errors.
- Supported 70+ internal users by quickly resolving app issues, ensuring smooth business operations.
- Built a sessionization algorithm to reconstruct continuous sessions from raw Hubstaff logs — increasing time-tracking accuracy by 90% for over 4,000 users.
- Redesigned and optimized complex SQL Server queries handling 9 million candidate records, implementing strategic indexing, query plan optimization, and stored procedure refactoring to enhance database performance and user experience.
- Strengthened application security by implementing user role-based access control for API authorization, integrating JWT token validation for secure authentication, and utilizing parameterized queries with Dapper to eliminate SQL injection vulnerabilities.
- Implemented AES-256 encryption to secure team members' salary data at rest, ensuring confidentiality and compliance with data protection standards.
- Implemented materialized views as a database-level caching strategy to precompute and store query results, reducing response times and improving performance for read-intensive workloads.

### Software Engineer — BlastAsia, Inc.

May 2019 — Sep 2023 • Metro Manila, Philippines

- Delivered 11 applications across domains like recruitment, healthcare, e-commerce, virtual showrooms, insurance, asset management, and more.
- Reviewed code to maintain high quality and performance, cutting production bugs and boosting system reliability.
- Led R&D efforts to test new technologies, speeding up project execution through tool and process improvements.
- Took initiative on task planning and clarification, improving delivery efficiency and encouraging proactive problem-solving.
- Deployed scalable web apps with Azure App Service.

### Software Developer Intern — Mr. Geek Mobile Solution Inc.

Oct 2018 — Jan 2019 • Metro Manila, Philippines

- Developed android mobile application using Android Studio (Java) and PHP 7 as backend service.

## KEY PROJECTS

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### **Kinetic Portal (Administrative)**

This project focused on boosting HR and administrative efficiency. It introduced a unified platform that handled leave and overtime requests, internal job postings, and employee contracts. Key features included a resume format for daily applicants, a payroll schedule manager, and advanced activity reports. Built to streamline HR operations, the platform improved employee experience and workflow.

### **Xamun Dev Portal (Ai Solutions)**

A full-code platform for startups and digital projects—faster and simpler than Low-Code.

### **Rivington (Collections Application, AMIG Application, Centauri Application) (Insurance)**

Rivington Partners is a managing general agency that focuses on writing specialty property & casualty insurance and placing risk with sponsoring insurance carriers.

### **Daikin E-commerce (E-Commerce)**

Daikin Philippines runs an online store for air purifiers, enabling customers to browse and purchase products seamlessly.

### **Daikin Virtual Showroom (E-Commerce)**

Daikin's Virtual Showroom helps customers explore products without visiting a physical store, providing an immersive online browsing experience.

### **iScan Diagnostic Center (Healthcare)**

iScan offers fast, reliable medical imaging services, powered by a skilled and patient-focused team.

### **My Scorecard (Mundipharma) (Healthcare)**

A web app that processes sales data and calculates employee incentives. Exports payout summaries and reports directly to Excel.

### **Magsaysay Online Careers (Recruitment)**

A mobile and web-based HR platform for end-to-end recruitment. Built for ease of use and seamless hiring.

### **Marius (Insurance)**

Marius is a cyber-insurance platform for clients, underwriters, and system admins. It manages policies from application to endorsement, renewal, cancellation, and claims.

### **Tempest Asset Management (Administrative)**

This system lets school staff track repairs from start to finish—from part usage to student restoration time. Accessible from any browser, anytime, on any device.

### **Catalyst (Others)**

A code generator tool that helps build high-quality software faster.

### **HomeQube (Ai Solutions)**

HomeQube builds performance systems to tackle global housing shortages. It champions decentralization, open access, and breaking down barriers in knowledge, production, and supply.

## **SKILLS**

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**Languages:** C#, TypeScript, JavaScript, SQL, T-SQL, PowerShell, Go, PHP, RxJS, JSON, XML

**Backend:** .NET 5, .NET Core 3.1, .NET Core 2.1, IdentityServer4, NSwag, REST API, Webhook, MediatR

**Frontend:** Angular, React.js, Redux, Bootstrap, Metronic, HTML/CSS

**Database:** SQL Server, Azure SQL, MySQL, Cosmos DB, SQLite, Dapper, EF Core

**Cloud & DevOps:** Azure WebJobs, Azure Functions, Azure Blob Storage, Azure Pipelines, GitHub Actions, Docker, Jenkins, IIS

**Integrations:** Hubstaff, Time Doctor, Screenshot Monitor, Paynamic, Zoom, SharePoint, SendGrid, Movider, Google Auth, Facebook Auth, Telerivet

**Libraries & Tools:** Leaflet.js, Plotly.js, DrawFlow, FullCalendar, Pako.js, ClosedXML, MemoryCache, Polly, Swagger, Postman, DevToys

**Architecture:** CQRS, Clean Architecture, DDD, MVC, Repository Pattern, Onion Architecture, N-Tier, SOLID, Design Patterns

**Workflow:** Agile / Scrum, Kanban, Git, GitHub, BitBucket, Azure DevOps, xUnit

## **EDUCATION**

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### **Bachelor of Science: Information Technology**

Jose Rizal University • Philippines

Completed a comprehensive IT program covering software development, database management, and systems analysis.

## CERTIFICATIONS

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- **Exam 483: Programming in C#** — Microsoft
- **Azure Developer Associate** — Microsoft
- **Advanced C# Programming in .NET Core** — EDUCBA
- **Product Management** — IBM
- **EF SET: C1 Advanced** — EF Standard English Test