

# Jerome Agapay

Software Engineer

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## PROFESSIONAL SUMMARY

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Full-stack developer with 7+ years of experience, specializing in back-end development with JavaScript and Node.js. Strong analytical skills with a focus on cloud technologies and AWS solutions. Known for quickly learning new technologies and adapting to different business requirements across various industries.

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript, TypeScript, PHP 7.x

**Frontend Technologies:** ReactJS, Redux, React Native, jQuery, Tailwind CSS, Ant Design, NextJS

**Backend Technologies:** Node.js, Express.js, Serverless Framework, Redis, Laravel

**Databases:** PostgreSQL, MySQL, MariaDB, Aurora Serverless v2, Liquibase

**Cloud/AWS:** Lambda, API Gateway, RDS, S3, S3 Glacier, CloudFront, Cognito, CloudWatch, SQS, EC2, Amplify, CDK

**AI Tools:** Claude Code, Anthropic API, AI-assisted development, LLM integration

**Development Tools:** Git, CI/CD pipelines, Agile/Scrum methodologies

**Operating Systems:** Linux (Ubuntu), macOS, Windows

## CERTIFICATIONS

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AWS Certified Solutions Architect - Associate (SAA-C03), Oct 2025

Credly Badge: <https://www.credly.com/badges/785dceab-7921-4e55-92f0-bc7a2daea3a7>

## PROFESSIONAL EXPERIENCE

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**Senior Software Engineer** | **Healthylife Company Pty Ltd** | Jul 2022 - May 2024

*E-commerce and digital health & wellness platform*

- Fixed UI bugs including user interaction issues and data display problems across the platform.
- Built new UI features while maintaining and improving existing legacy codebase.
- Ensured mobile responsiveness across the website for optimal user experience on all devices.
- Worked with legacy code challenges including jQuery and older CSS, successfully modernizing components.

**Technologies:** HTML, CSS, jQuery, SASS, Tailwind CSS, PHP, Laravel

**Software Engineer** | **PayMaya Philippines Inc.** | May 2021 - Jul 2022

*Business management platform for payment, banking, and loan solutions*

- Built CRUD operations using AWS Lambda and Serverless Framework for both frontend (React) and backend (Node.js).
- Integrated SQS to handle file processing for disbursement feature - users upload Excel files with thousands of rows for money distribution.
- Performed load testing on SQS and Lambda integration to optimize upload times and improve processing speed.
- Participated in code reviews and bi-weekly sprint planning with development team, QA, and business stakeholders.

**Technologies:** React 17, Redux, ES6, Node.js, AWS Lambda, SQS, RDS, S3, Serverless Framework

**Tech Lead** | **BotBros AI, Rocket Labs Consulting Inc.** | Jun 2017 - Jan 2021

**Airship Logistics Management System**

*Courier tracking and delivery platform for logistics businesses*

- Led full-stack development of logistics management system handling bookings, agent management, and cash flow operations.
- Facilitated Agile processes including sprint planning, daily stand-ups, retrospectives, and code reviews.
- Researched and implemented AWS cloud solutions and emerging technologies for scalable architecture decisions.
- Collaborated with stakeholders during project planning to define requirements and optimize development workflows.

**Achievement:** Won Top 3 position in IdeaSpace Acceleration Program for innovative logistics solution.

**Technologies:** ReactJS, Redux, Node.js, Serverless, AWS Lambda, API Gateway, RDS, Cognito, CloudWatch, CloudFront, S3

**PeopleServe - Human Resource Information System**

*Recruitment and staffing solutions platform*

- Collaborated with clients during initial planning phases to ensure clear requirements and realistic project timelines.

- Provided technical mentorship to interns and junior developers, improving team onboarding and skill development.
- Delivered post-deployment support including troubleshooting and technical issue resolution.

**Technologies:** Laravel 5.2, ReactJS, Redux, MariaDB, MySQL 5.6

**Additional Projects:**

- Entrego Booking Website: Developed responsive homepage, booking system, and reusable React components in collaboration with Zalora team.
- Chatbot Solutions: Built Facebook Messenger and Slack bots with system integrations using Botkit JS and Node.js.
- Company Website: Designed and developed brand-focused website using Ghost CMS.

**QA Intern | Ideyatech, Inc. | Oct 2016 - Jan 2017**

*G-Force Dance Center - Reservation and booking platform*

- Designed and implemented comprehensive test cases, improving test coverage for web application features.
- Performed manual testing of website functionality, identifying bugs and ensuring optimal user experience.

## PERSONAL PROJECTS

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### PSILO - Personal Cloud Storage

*Self-hosted image storage platform built as an alternative to commercial cloud storage solutions*

- Architected and built a full-stack personal cloud storage app using AWS CDK for infrastructure-as-code, provisioning Cognito, API Gateway, Lambda, SQS, Aurora Serverless v2, and S3 Glacier Flexible Retrieval.
- Implemented cost-optimized cold storage using S3 Glacier Flexible Retrieval, significantly reducing hosting costs compared to standard S3.
- Designed monorepo structure separating frontend (Next.js), infrastructure (CDK stacks), and Lambda services for clean architecture and maintainability.
- Applied Backend for Frontends (BFF) pattern with decoupled async photo metadata processing via SQS and Dead Letter Queue for reliability.
- Used Aurora Data API with Lambda (no VPC/NAT gateway) to simplify database connectivity and reduce infrastructure complexity.
- Integrated Drizzle ORM with Aurora Serverless v2 with database migrations for type-safe SQL and version-controlled schema management.

**Technologies:** Next.js, TypeScript, Node.js, AWS CDK, Lambda, API Gateway, Aurora Serverless v2, S3 Glacier, Cognito, SQS, Drizzle ORM

### Inventory Management System

*Client project - Digital inventory system replacing Excel-based workflows*

- Built inventory management system for client to replace error-prone Excel-based tracking, preventing data duplication and loss.
- Implemented RPC approach instead of REST since no public APIs were needed.
- Applied clean architecture principles to improve code organization and maintainability.
- Deployed on Vercel for reliable hosting and easy client access.

**Technologies:** Next.js, TypeScript, Clean Architecture, RPC, Vercel

## EDUCATION

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Bachelor of Science in Information Technology

Polytechnic University of the Philippines | 2013 - 2017