

JAYANKA GHOSH (JOY)

Principal Architect • Engineering Manager • Magento Trainer

✉ jayankaghosh@gmail.com | [GitHub](#) | [LinkedIn](#) | 10+ Years Experience

PROFILE SUMMARY

Results-driven **Principal Architect** with over a decade of experience in **web and eCommerce development**, specializing in **Adobe Commerce (Magento)**. Proven track record of technical leadership from starting out as a **Magento Developer** and currently working as a **Principal Solutions Architect**. Adept at architecting scalable, high-performance solutions, leading cross-functional teams, and driving innovation across front-end and back-end ecosystems.

YOUTUBE PRESENCE

[How to setup Magento - 39k+ views](#) | [Basics of Layout, Block and Template - 100k+ views](#) | [Changing Magento 2 Functionality - 37k+ views](#)

[Meet Magento India](#) | [Reacticon 3](#)

CORE COMPETENCIES

Architecture & Leadership	Solution architecture, performance optimization, scalability design, technical mentoring, team management
Web Technologies	HTML, CSS, JavaScript, TypeScript, PHP, Node.js, MySQL, PostgreSQL
Frameworks	ReactJS, NextJS, Angular, VueJS, Laravel, Symfony, CodeIgniter, Zend
E-commerce Platforms	Adobe Commerce (Magento 1 & 2), Shopify, Akinon, Shopware, PWA Studio, ScandiPWA, Vue Storefront
DevOps & Tools	Docker, Git, Nginx, PM2, Jenkins, RabbitMQ, Redis, JIRA
Certification	Adobe Certified Magento Developer

PROFESSIONAL EXPERIENCE

Codilar Technologies Pvt. Ltd. Bangalore, India

July 2016 – Present

Principal Architect (Current Role)

Leading engineering excellence across large-scale Magento and PWA implementations.

- ▶ Define architecture blueprints for scalable, cloud-ready eCommerce platforms.
- ▶ Mentor engineering teams across frontend, backend, and DevOps disciplines.
- ▶ Support pre-sales initiatives by engaging with prospective clients to understand business needs and translating them into tailored, scalable solution architectures.
- ▶ Drive performance optimization initiatives reducing TTFB and improving LCP/FCP metrics.
- ▶ Curated audit checklists to facilitate deep audits with minimal technical overhead.
- ▶ Oversee integrations with AI personalization, search optimization, and headless commerce stacks.

Engineering Manager / Solution Architect 2021 – 2024

- ▶ Led cross-functional teams on end-to-end eCommerce solutioning for enterprise clients.
- ▶ Defined system design and infrastructure for high-traffic multi-store architectures.
- ▶ Introduced internal frameworks like **Power Listing** — reducing listing page load time by up to 500%.
- ▶ Conducted technical training and certification programs for developers within Codilar and external organizations.

Team Lead / Magento Developer 2016 – 2021

- ▶ Developed and launched numerous Magento 2 stores across fashion, retail, and FMCG domains.
- ▶ Specialized in custom module development, API integrations, and advanced caching strategies.
- ▶ Collaborated with UI/UX teams to implement modern, responsive frontends using React and Vue.

SELECTED PROJECTS

SPA / PWA & Headless Implementations

- [Marina Homes](#) — A luxury home décor brand in the Middle East
- [Ajmal Perfume](#) — Fragrance brand
- [Wingreensworld](#) — A multi-vendor FMCG website built using NexPWA and Adobe Commerce Cloud
- [ShureShop](#) — Sells premium musical instruments worldwide. Built using NexPWA
- [Samyakk](#) — A fashion E-commerce PWA store with Magento backend and Vue Storefront frontend
- [Zwende](#) — Fully fledged SPA on NuxtJs with Magento backend
- [ScandiPWA](#) — Leading a team to build a plug-and-play PWA theme for Magento targeting APAC and European clients

Magento Enterprise Projects

- [Footlocker](#) — Leading footwear brand
- [Crocs](#) — Popular footwear brand
- [Lulu Hypermarket](#) — E-commerce hypermarket
- [NestO Hypermarket](#) — E-commerce hypermarket
- [Inq Online](#) — Online gift shop for Qatar Museum
- [Happieesouls](#) — Online NGO donation platform
- [Dave AI](#) — Magento 1.x and 2.x Extension
- [Zaabel](#) — Online Jewellery Shopping Store
- [Soul Slings](#) — A family-run baby carrier company from Bangalore, India

Open-Source & Community Contributions

- [Power Listing](#) — A Magento extension to speed up product listing pages by up to 500%
- [OM](#) — Object manager system with Dependency Injection, Plugins, inspired by Magento's Object Manager
- [Chobi](#) — Image Processing Library in pure JavaScript
- [JST](#) — Templating engine written purely in JavaScript
- [TMVC](#) — Tiny MVC Framework for PHP
- [Magento Heatmap](#) — Heatmap tracker and viewer extension for Magento
- [SnakeJS](#) — Traditional Snake Game in JavaScript using HTML5 canvas
- [Diana](#) — Pseudo artificial intelligence made in JavaScript
- [AsyncTask-JS](#) — Asynchronous task execution in pure JavaScript with Ajax support
- [Ajaxer](#) — Tool for converting traditional forms to Ajax
- [jSLogger](#) — JavaScript Keylogger Chrome Extension
- [Asteroid Dodge](#) — Basic game in HTML, CSS and JavaScript demonstrating game design fundamentals

EDUCATION

Bachelor of Engineering (Computer Science) — SJBIT, Bangalore • 2016