

Emilio Molina Ortiz

Principal Software Engineer | Full-Stack Architecture | AI-Enabled Product Development

✉ emilio_molina_19@hotmail.com

☎ (+52) 55 1028 8705

📍 Estado de México, Mexico

PROFESSIONAL SUMMARY

Principal-level Software Engineer with 16+ years of experience building, modernizing, and scaling enterprise platforms, internal systems, and customer-facing applications. Strong background in PHP, Python, JavaScript, TypeScript, SQL, and cloud-based architectures, with hands-on experience across Laravel, React, Angular, Node.js, and Flask. Proven ability to lead technical initiatives, define scalable solutions, improve reliability, mentor engineers, and translate business needs into high-impact software. Recently expanded expertise into AI/LLM solution design, experimentation-driven product development, and intelligent workflow automation.

PROFESSIONAL EXPERIENCE

Principal Software Engineer

01/2025 – Present

Tensure (Client: Mailchimp / Intuit)

- Contribute to growth notifications and experiment-driven product development in a high-scale SaaS environment.
- Collaborate with engineering, product, and design teams on technical specifications, messaging flows, email treatments, and implementation planning.
- Translate requirements into scalable technical solutions aligned with platform capabilities and business goals.
- Support customer communication and product growth initiatives with a focus on reliability, clarity, and execution quality.
- Work closely with experiment definitions, user segmentation, campaign logic, and data-informed product decisions to support growth and engagement initiatives.
- Contribute to technically sound implementations for experimentation workflows, helping bridge product strategy, engineering execution, and measurable outcomes.
- Core Technologies: Javascript (Node, React), PHP, PostgreSQL, Claude, Cursor, Jira, Confluence, Github, CWS.

Senior Staff Software Engineer

04/2023 – 12/2024

Solera Inc.

- Lead the design and implementation of scalable software solutions for enterprise platforms.
- Translate business requirements into technical deliverables and help define solution architecture for functional and non-functional needs.
- Deliver API-enabled components and system improvements that increase operational stability and maintainability.
- Investigate and resolve defects in legacy and established systems while mentoring junior engineers and supporting technical leadership.
- Tech Stack: Javascript (Node, React, Vue), PHP (Laravel, Qcubed), MySQL (MariaDB), JetBrains IDEs, Jira, Bitbucket.

Senior Full-Stack Developer / Data-Driven Solutions Engineer

12/2021 – 04/2023

Nagarro & IDS

- Developed and maintained frontend and backend functionality for enterprise applications using PHP, Laravel, React, and Angular.
- Built and enhanced data-driven solutions to support business workflows, reporting, and decision-making.
- Worked on analytics-oriented applications and features that helped stakeholders identify trends, improve visibility, and support operational efficiency.
- Contributed to solution design involving data processing, business insights, and performance-oriented application behavior.
- Modernized existing platforms, delivered new features, and improved application performance and usability.
- Collaborated with distributed teams to deliver scalable solutions aligned with client requirements.

EDUCATION

Universidad Tecnológica de México

Bachelor's in Computer Systems Engineering

Universidad Tecnológica de México

Master's in Analytics and Business Intelligence

TripleTen

Data Scientist Program

CORE COMPETENCIES

| | |
|--------------------------------|---------------------------|
| Software Architecture | Full-Stack Development |
| Technical Leadership | API Design & Integration |
| Legacy Modernization | Scalable Web Applications |
| Cloud Infrastructure | Performance Optimization |
| Experimentation Platforms | AI/LLM Solution Design |
| Cross-Functional Collaboration | Mentoring |

CERTIFICATIONS

- Certified AI/LLM Solution Architect — BSG Institute México
- AWS Certified Cloud Practitioner (In Progress)
- CCNA (Cisco)
- AI Python Developer

AI & EMERGING TECHNOLOGY

AI/LLM Solution Design

- Applied AI/LLM concepts to product workflows, experimentation support, automation, and solution planning.
- Designed a pet-care AI assistant API using FastAPI, PostgreSQL/pgvector, OpenAI embeddings, and grounded response generation as part of an AI/LLM architecture project, LangChain, RAG, AI workflows or agents.

Playwright

- Experience using Playwright for automated testing and engineering workflow validation.

Data Science

- Strong foundation in data-oriented product thinking through professional experience and formal training.

TECHNICAL SKILLS

Languages (Years)

PHP (16+), Python (7+), JavaScript (16+), TypeScript (6+), SQL (16+), Kotlin (3+), Dart (2+).

Frameworks (Years)

Laravel (+10), Flask (5+), FastAPI (+3), Django(+3), React (7+), Angular.js (7+), Node (6+), Next (5+), Flutter (3+).

Cloud & Tools

AWS, Google Cloud Platform, Docker, Git, Linux, Postman, JetBrains IDEs

Other

REST APIs, Microservices, Relational Databases, Automation Testing, Playwright

MORE PROFESSIONAL EXPERIENCE

Web and Applications Development Coordinator

02/2021 – 11/2021 | Remote

Siegfried Rhein México

- Coordinated web and application development initiatives across multiple business areas.
- Supervised internal and vendor-led development efforts to ensure quality and timely delivery.
- Contributed to ERP-related initiatives, primarily in frontend development and cross-functional implementation support.
- Improved collaboration between technical execution and business goals.

Full Stack Developer

09/2019 – 12/2020 | Mexico City

Blend MX

- Modernized legacy platforms and developed new systems using Laravel, Python, React, and related technologies.
- Led reengineering efforts for custom CMS, ERP, and SaaS solutions.
- Managed databases, servers, and cloud environments, improving performance and maintainability.

Web Developer / Full-Stack Developer

01/2010 – 03/2019 | México, Naucalpan

Armageddon Entertainment Group S.A. de C.V.

- Led a team of 8 developers, Built API-enabled components for enterprise workflows.
- Developed web and mobile applications, including content platforms, internal tools, CMS and ERP solutions, online magazines, improved maintainability of legacy systems and a hotel directory platform.
- Built backend systems, frontend interfaces, and database structures for multiple business initiatives.
- Managed Linux servers, cloud services in GCP, and application infrastructure.