MARÍA CAROLINA DÍAZ
Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with 5+ years of experience building web applications, specialized in Angular and TypeScript, with back-end experience in PHP/Laravel, .NET/C# and Java. Background in AI research (computer vision, award-winning video synopsis project) and daily use of AI tools to accelerate development. Focused on code quality, maintainability and continuous improvement.

WORK EXPERIENCE

Freelance Software Engineer from *Sep 2026 to Present*

Develop and maintain the web platforms of Escuela de Natha Yoga using Laravel and PHP.
Use Claude, GitHub Copilot and Opencode to accelerate feature development.

Software Developer and Front-End Manager at LIESA from *Sep 2024 to May 2026*

Built a UI component library from Figma designs using Bootstrap 5 utility classes and LESS.
Developed and maintained applications with Angular 18 (TypeScript, HTML, SCSS), Odoo, Magento 2, PHP, .NET and C# for an electrical products distribution company.
Participated in every stage of the product lifecycle, from ideation to continuous improvement.
Used GitHub Copilot and Claude to speed up development and refactoring.

Software Developer at HMS from *Jan to Sep 2024*

Implemented scalable, maintainable features with Angular 18 for an Argentine digital health company.

Freelance Front-End Developer from *Mar 2022 to Jan 2023*

Supported and maintained existing Angular 15 applications.
Developed web applications with WordPress, JavaScript and PHP for a legal services company, deployed on AWS.

Software Developer at EDSA from *May to Dec 2021*

Provided support and maintenance using PL/SQL, JavaScript and JSP, and developed front-end features with Angular 15 for a private health insurance client at a software factory.

Front-End Developer at Pladema from *Aug 2020 to May 2021*

Developed and maintained user interfaces with Angular 11, TypeScript, HTML and SCSS for an urban video surveillance platform in Tandil.

Intern at Pladema from *Aug 2019 to Aug 2020*

Tested and analyzed AI models such as YOLOv3 using Python.

EDUCATION

Bachelor's Degree in Software Engineering at Universidad Nacional del Centro de la prov. de Bs. As. Graduated 2026

Bootcamp QA Automation at Solvd from Dec 2022 to Feb 2023
Developed automated API and Facebook login test suites in Java using TestNG, Carina API and Carina Core.
Designed a relational database schema for a library management system using Java and MySQL, modeling entity relationships and normalization.
Built a class hierarchy within the transport domain in Java.

PROJECTS

Thesis: Bad Smell Detection in Microservices-Based Applications. Technologies: Java, Maven, Spring Boot, Docker. This work presents a process for the analysis and detection of the Shared Library smell, which occurs when multiple microservices depend on the same library, using the static analysis tool MSANose combined with AI techniques.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, PHP, Java, Python, C#, SQL, PL/SQL.
Frameworks & Libraries: Angular, HTML5, SCSS, LESS, Bootstrap, Redux, Laravel, .NET, Spring Boot.
Databases: PostgreSQL, MariaDB, MySQL.
Tools & Platforms: Claude, GitHub Copilot, Opencode, Git, Docker, AWS, Maven, TestNG, WordPress, Magento, Odoo.

LANGUAGES

Spanish: Native.
English: B2.

CERTIFICATIONS & ACHIEVEMENTS

1st Prize at JAIIO 49 EST Contest, 2021. "Analysis and Design of Algorithms for Video Synopsis". Built an application that condenses 60 minutes of security footage into an 8-minute synopsis.
OWL Ontologies Course at CACIC, 2018.
Object Oriented Modeling with Rational at IBM Program, 2017.