

# Omar Alejandro Nataren Arredondo | SOFTWARE ENGINEER

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## PROFESSIONAL SUMMARY

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Innovative and results-driven Software Engineer with a strong background of experience in full-stack development, AI training, and database consulting. Proven ability to design and implement scalable applications and data-driven solutions using modern technologies such as Flutter, React, Angular, and PostgreSQL. Skilled in prompt engineering and AI model evaluation to enhance system performance. Strong collaborator with a track record of leading development teams and delivering high-impact projects that improve user engagement and operational efficiency.

## SKILLS & TECHNICAL TOOLS

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**Programming Languages:** Java, C, C++, TypeScript, JavaScript, Python, HTML/CSS, PHP, Bash, Dart

**Technologies:** Git/Github, React (web & native), Angular, Flutter, Tailwind CSS, Node.js, Nest.js, Flask, Maven, Firebase, SQL, NoSQL, REST APIs

**Languages:** Spanish (Native), English (Advanced)

## PROFESSIONAL EXPERIENCE

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### Teteocán Technologies – Junior Software Engineer April 2025 - Present

- Implemented reusable UI and logic templates to accelerate product deployment for SMEs, reducing development time by enabling rapid data customization and consistent component reuse.
- Designed and developed interactive data dashboards to track business performance and service engagement, improving data visibility for both clients and internal stakeholders.
- Led the development of a cross-platform mobile application using Flutter and Firebase, applying Clean Architecture, integrating real-time data, authentication workflows, and payment services such as Stripe.
- Built a high-performing landing page to support product launch and improve user acquisition through a responsive and optimized web experience.
- Created multiple UI/UX designs in Figma and translated them into functional, production-ready interfaces using React, ensuring visual consistency and high usability across platforms.

### Outlier - AI Training June 2025 – Present

- Designed and optimized structured prompts to assess AI response accuracy, model behavior, and tool usage in large-scale evaluation projects.
- Analyzed AI tool interactions through JSON-based requests, ensuring consistency between system instructions, user intent, and model outputs.
- Conducted Python debugging on mathematical models, identifying errors and documenting corrections to train AI models on effective debugging techniques.
- Contributed to domain-specific prompt frameworks, improving model efficiency and task-specific performance.

### BS Ferrócarril - Database Consultant September 2024 – December 2024

- Designed and deployed a PostgreSQL relational database, implementing schema normalization, indexing, and data migration workflows to improve catalog search efficiency and overall library operations.

### Freelance - Full-Stack Developer July 2024 – Present

- Led a small development team to deliver a full-stack e-commerce platform using Angular and NestJS, overseeing UI development, backend architecture, deployment workflows, and client requirements.

## ACHIEVEMENTS

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### First place at Capital One track - Hackathon Genius Arena - Talent land Guadalajara 2025 April 2025

- Developed an AI-driven matchmaking app that connected professionals with clients, increasing engagement within the informal economy.
- Deployed a sustainable finance platform using AWS Cognito, Amazon RDS, S3, and SageMaker to improve financial inclusion and data-driven decision-making.

### NASA Code Challenge October 2024

- Developed "Space O'Reilly", an interactive 3D solar system built with React and Tailwind CSS to promote astronomy education among indigenous communities.

## EDUCATION

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Bachelor of Science in Software Engineering - University La Salle

Expected Graduation: July 2027