

Omar Alejandro Nataren Arredondo | SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

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

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)

POFESSIONAL EXPERIENCE

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 Ferrócaril - 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

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

Bachelor of Science in Software Engineering - University La Salle Oaxaca

Expected Graduation: July 2027