

Ramon Alberto Gomez Urquidez

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EDUCATION

Instituto Tecnológico de Estudios Superiores de Monterrey

Expected Jun 2026

B.S. in Computer Science and Technology Engineering

Cumulative GPA: 4.0/4.0

Relevant Coursework: Software Development and Engineering, Cybersecurity, Data Structures, Design Patterns, Artificial Intelligence, Machine Learning, Cloud Computing, Network Infrastructure, UI/UX Design

WORK EXPERIENCE

ENCORA INC.

October 2024 – April 2025

Apprentice Developer

- Developed a task management application using Spring Boot and React with TypeScript, implementing best practices in unit and integration testing.
- Obtained Azure AI Engineer Associate certification, presenting multiple showcases to Encora's internal community on utilizing AI as a service effectively.
- Created a responsive flight search engine with ReactTS, Spring Boot, and Docker, focusing on performance optimization and enhanced user experience.

VITALHEALTH

June 2024 – Current

Full Stack Developer

- Built an internal e-commerce platform using FastAPI and React with TypeScript, integrating advanced security with rate-limiting and whitelist methodologies via Redis.
- Implemented automated CI/CD pipelines using GitHub Actions, AWS ECS, Load Balancers, and CloudFront, ensuring seamless deployment upon main branch updates.
- Coordinated a cross-functional IT and development team through the entire software lifecycle, enhancing collaboration and project efficiency.
- Collaborated with HR on recruiting processes, ensuring new hires matched organizational needs and technical requirements.
- Advocated Agile methodologies and standardized project management practices, resulting in increased development velocity and improved team performance.

PROJECTS

PERSONAL WEBSITE: <https://gomezramon-dev.github.io>

REVAMPED TALENT MANAGEMENT SYSTEM

2024

- Led the refactoring of the prior platform, enhancing its structure and developing a new web app, resulting in a dramatic improvement in efficiency and user satisfaction across the company.
- Implemented the PERN Full Stack, utilizing knowledge in React with TypeScript, Figma, Git, Postman, Firebase, and Bootstrap to achieve scalability, ease of use, reduced development time, and improved performance metrics.

MECHANICAL SCULPTURE REACTING TO LAUGHTER

2024

- Designed and developed an interactive mechanical sculpture responding dynamically to human laughter, inspired by phototropic movements of plants.
- Collaborated with industrial designers and electronic engineers to integrate hardware and software seamlessly.
- Optimized a pre-trained machine learning model for real-time laughter detection, achieving significant noise reduction in the test-phase.

ADDITIONAL

Technical Skills: Web Foundations, Node.js, React with TypeScript, React Native, Spring Boot, Express.js, Django, FastAPI, AWS, Google Cloud, Microsoft Azure, Firebase, C/C++, MongoDB, PostgreSQL, Git.

Languages: Spanish. Proficient in English (C1, TOEFL ITP).

Certifications & Training: Microsoft Azure AI Engineer Associate, Google Cloud Computing Foundations.

Awards: Líderes del Mañana - Ninth Gen. Won a nationwide 100% scholarship to study in one of the best universities in LATAM (by QS World University Ranking), case competition out of 20000+ participants.