

# Jorge Loredo Meléndez

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## EDUCATION

### Instituto Tecnológico y de Estudios superiores de Monterrey - ITESM

Expected Graduation: **June 2024**

*B.S. in Computer Science and Technology Engineering*

*GPA: 96/100*

- Awards: Academic Talent Scholarship (50%)
- Relevant Coursework: Analysis and Design of Advanced Algorithms, Integration of Computer Security in Networks and Software Systems, Software Construction and Decision Making, Modeling of Minimum Systems and Computational Architecture, Object-Oriented Programming.
- Club Organizations: Cybersecurity Representative Team, Robotics Representative Team “Roborregos”

## WORK EXPERIENCE

### Oracle, Zapopan, Mx

Software Engineer Intern

Jun 2023 – Present

- Automating database upgrade process by implementing checks, tests, fixups, and tracking regression incidents. (Server Applications & Scripting).
- Resolved +10 bugs related to the database upgrade/downgrade process, mitigating the risk of data loss when transitioning between different versions.
- **Tech Stack**: Java, Linux, VMs, PL/SQL.

### MedGlobal Group, Remote, Mx

Software Developer

Sept 2022 – Dec 2022

- Developed a messaging system for the company's marketplace and implemented +20 articles for the virtual magazine focused on medical equipment, products, and services.
- **Tech Stack**: TypeScript, React.js, CSS, HTML, Next.js.

### Micronics Mx, Remote, Mx

Web Developer

Apr 2021 – July 2021

- Collaborated with the CTO in the migration and update of the bus tracking platform, route monitoring, travel history, billing, and report creation from PHP to React.
- **Tech Stack**: JavaScript, React.js, Redux, PHP and Sass.

## MAJOR PROJECTS

### Student & Professional Hackathons

Sept 2022 – Sept 2023

- Finalist at **Iconn Hacks** among +30 teams in the challenge “Hybrid Experience” by prototyping a hyper-personalized AI that could track shopping habits.
- Achieved 2<sup>nd</sup> Place at **Oracle DB College Hire Hackathon** among 25 teams in North America by creating a platform for medicine tracking.
- Achieved 1<sup>st</sup> Place at **Hackathon Banorte** in the category “A human/digital bank” among 35 teams. Proposed a hybrid banking experience to reduce back-office expenses by 35%.
- Achieved 1<sup>st</sup> Place at **HackMTY** & Top 10 Finalist: Largest student Hackathon in Mexico (over +500 students) in Banorte’s Challenge by designing a new banking solution.
- **Tech Stack**: JavaScript, Python, SQL, React, IBM Watson, Node.js, Fusion 360.

Dec 2021 – Sept 2022

### Moonlight Labs / Co-founder

- Provided blockchain-oriented services utilizing smart contracts, including a multichain launchpad, verification bots (Twitter & Discord integration) and transaction monitoring for +10 clients.
- **Tech Stack**: React.js, Node.js, Redux, Sass, Solidity, Rust, Moralis.

### SEMS: Social and Environmental Monitoring System (Project post)

Jan 2021 – June 2021

- Achieved 1<sup>st</sup> Place in “Conexión Tec” competition in the category “Software Prototype Development” among +30 teams in the university.
- Created a dashboard to interact with the metrics of the student flow in real-time using +20 cameras across the campus for a post-pandemic scenario.
- **Tech Stack**: React, HTML, Sass, Redux, and Socket.io.

## TECHNICAL KNOWLEDGE

**Programming Languages** (Ordered by proficiency): JavaScript, Java, Python, SQL, C++, HTML, CSS.

**Technologies**: React, Redux, Node.js, Next.js, MySQL, Oracle RDBMS, MongoDB, Git, Unity, Flask, Linux, VMs, PL/SQL, Fusion 360 & 3D modelling.