

Javier Compean

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EDUCATION

Universidad del Noreste

Industrial and Systems Engineering

Tampico, Tamaulipas

Aug. 2016 – May 2018

Treehouse

Fullstack JavaScript

Bootcamp

May 2021

EXPERIENCE

IT Support Specialist

PEMEX

April 2025 – Present

Altamira

- Automated Windows update tasks by developing PowerShell scripts.
- Administered domain-joined computers using privileged administrator accounts.
- Installed and deployed security agents through PowerShell-based automation.

Software Engineer

Remine - DensityLabs

March 2022 – March 2025

Remote

- Built and maintained robust REST APIs using PHP, Node.js, and PostgreSQL to power data operations for key Real Estate management system functionalities.
- Redesigned and refactored the system's data upload module, significantly improving processing speed and reliability.
- Leveraged AWS S3 for robust, scalable object storage, designing data structures and access patterns for storing user-generated content
- Developed a client-side caching system to retain user preferences and interface state across sessions, enhancing user experience and reducing redundant data fetching.
- Utilized GitLab CI/CD pipelines for automating build, testing, and deployment processes.
- Developed and maintained UI interfaces using a Custom Framework in VanillaJS and React.
- Implemented new features and API integrations that enhanced user experience.
- Resolved 50+ production issues, reducing downtime and improving system stability.
- Collaborated with cross-functional teams to review and merge code, reducing bugs and ensuring high-quality releases.

Independent Projects

Independent

Jun. 2021 – March 2022

Online

- Developed a full-stack course management application using React and Node.js.
- Created a platform in NodeJS using express to track your read books.
- Created a video game using OOP principles in JS.
- Projects exposed in www.jcompean.com.

Systems Support Engineer

PEMEX

Oct. 2015 – March 2022

Mexico

- Managed OS configuration, leveraging command-line interfaces (CLI) for efficient system formatting and setup.
- Analyzed and debugged system scripts to resolve issues hindering software updates and patch deployments.
- Ensured operational stability and performance for a fleet of 500+ workstations through proactive maintenance and troubleshooting.
- Diagnosed and resolved hardware and software issues across diverse system components, minimizing downtime.
- Improved user support efficiency by diagnosing and resolving technical issues, reducing average response time by 60 percent

PROJECTS

Hardware Detector AI Model | *Flask, FastAI, React*

June 2024

- Developed a computer vision model using FastAI to accurately classify hardware components, including monitors, CPUs, and keyboards.

Word Guesser Game | *Vanilla JavaScript, OOP Principles*

April 2021

- Developed a Word Guesser game using OOP in JavaScript.

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, PHP, Python, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: React, Express, Flask, Phalcon, Material-UI, FastAPI

Developer Tools: Git, Docker, AWS, VS Code, IntelliJ, NVIM