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Languages: Spanish / English B2+

Professional Profile

As a Software Engineering student and bilingual developer (B2), I contribute to the design and full-stack development of web applications by applying clean architecture principles, design patterns, and SOLID principles. I have strong proficiency in frontend technologies such as JavaScript, TypeScript, React, Next.js, Redux, Tailwind CSS, and SASS; backend technologies including Node.js, Java, SQL, and NoSQL; as well as version control tools like Git and GitHub. I am characterized by a strong discipline for software quality, with a consistent focus on unit and integration testing to ensure robust, maintainable, and reliable code.

Professional Experience

Freelance –Full Stack MERN Developer ("Abrasa" Platform)

Company: Las Brasas Comedores Industriales y Eventos Sociales
02.2025 – 06.2025

Responsibilities

- Designed and developed a web-based electronic ticketing and digital invitation management platform for social events such as graduations, weddings, and receptions.
- Implemented clean architecture and SOLID principles using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Developed modules for electronic ticket generation, delivery, and validation, including a scanning system for guest check-in.
- Integrated administrator roles and access control for event management, analytics, and reporting.

Achievements

- Reduced long-term investment in physical invitations by 20%, while optimizing the guest check-in and reception process.
- Automated event access workflows, significantly reducing human errors and validation time during attendee entry.

Freelance – Full Stack Java Swing Developer ("PuntoCafé" System)

Company: "Jesús Reyes Heroles" High School Cafeteria
08.2024 – 12.2024

Responsibilities

- Designed and developed a Point of Sale (POS) and Inventory Management system for cafeterias, applying the MVC pattern, Clean Architecture, and SOLID principles.
- Implemented a graphical user interface using Java Swing, with view management handled through controllers and dynamic panels.

- Developed modules for sales tracking, inventory control, and reporting, including database integration and data export to PDF and Excel formats.
- Deployed authentication features and user role management for employees and administrators.

Achievements

- Delivered a scalable and adaptable system to automate administrative processes, reducing inventory mismanagement and sales control losses by over 30%.
- Improved management visibility and decision-making through automated reports and clear sales metrics.

Freelance – Interactive Digital Invitations Designer & Developer

Company: TuAmigoInvitaciones
07.2023 – Present

Responsibilities

- Designed, structured, and developed interactive digital invitations for social events (weddings, graduations, celebrations), tailored to each client's requirements and visual identity.
- Integrated advanced features such as RSVP forms, location maps, multimedia galleries, and animations, ensuring a modern and fully responsive user experience across devices.
- Advised clients on visual proposals and sustainable digital solutions to replace printed invitations, optimizing costs and delivery timelines.

Achievements

- Delivered fully customized digital solutions for 25+ clients, providing functional, elegant designs ready for distribution across digital platforms.
- Significantly reduced delivery times and operational costs compared to traditional printed invitation solutions.

Education

Universidad Tecnológica de Aguascalientes (August 2024 – Present)
Degree: Bachelor's in Information Technology and Digital Innovation
Specialization: Multiplatform Software Development
Aguascalientes, Aguascalientes, Mexico

Academlo (January 2023 – July 2023)
Program: Programming Bootcamp
Specialization**:** Full Stack Web Development (JavaScript)
Santiago de Querétaro, Querétaro, Mexico

CETis 155 "Josefa Ortiz de Domínguez"
Degree: Technical High School Diploma
Specialization: Computer Support and Maintenance Technician
Aguascalientes, Aguascalientes, Mexico

Development Technologies

- JavaScript
- TypeScript
- React.JS
- Java
- Java Swing
- MySQL, PostgreSQL, Prisma
- MongoDB, Mongoose
- HTML5
- CSS3
- SASS
- TaildwindCSS
- Boostrap
- Jest JS
- NodeJS
- Express
- Git
- Github

Technical Skills

- Object-Oriented Programming (OOP) Design Patterns
- SOLID Principles
- Clean Code
- Clean Architecture (DDD, TDD)
- Database Modeling
- Requirements Elicitation (IEEE 830)
- Data Structures
- UML Modeling
- Unit and Integration Testing
- Visual Interface Design