



Ing. Dilan Andreos Estudillo Nava

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Area: Software Development

Work Experience

TESCA Corporation

August 2019 to 2025

Senior Web Developer

- **Comprehensive Leadership in Planning:** Structured and monitored software development projects, ensuring alignment with business goals and technical requirements.
- **Development Team Management:** Coordinated cross-functional development teams, ensuring smooth communication and motivating developers to meet deadlines and technical objectives.
- **Team Training and Mentorship:** Promoted professional growth and the adoption of best practices in development, fostering continuous learning within the team.
- **Client Relationship Management:** Identified and Proposed customized technological solutions tailored to the specific needs of clients, ensuring optimal outcomes.
- **Project Management:** Planned, tracked, and delivered projects using agile methodologies (Scrum, Kanban) from requirements gathering to production deployment.
- **Full Stack Development:** Architected and developed Web systems for both front-end and back-end, optimizing user experience (UX) and user interface (UI) through the implementation of user-centered design practices and applied artificial intelligence (AI).
- **Database Design:** Designed and normalized relational databases (MySQL, PostgreSQL) and non-relational databases (MongoDB, DynamoDB), implementing efficient and scalable structures for various systems.
- **Infrastructure and DevOps:** Implemented and managed servers on cloud platforms like AWS (EC2, S3, RDS, SNS), handled Docker containers, and administered CI/CD pipelines for automated deployments.
- **Production Issue Resolution:** Proactively resolved Issues in production environments, ensuring stability and scalability of applications under increasing demand.
- **Blockchain and Cryptocurrencies:** Developed smart contracts and created cryptocurrencies on the TRON network, along with maintaining and optimizing cryptocurrency mining hardware.

Technical Skills

Programming Languages:

- Python.
- Javascript.
- PHP.
- Control de versiones (GIT, Gitlab, bitbucket).
- AI projects.

Front-End

- HTML.
- CSS, SCSS.
- Bootstrap.
- Vuetify.
- Photoshop.

Frameworks:

- React.
- Node.js.
- Vue.js.
- Laravel.
- Django.

Content Management:

- Wordpress.
- Shopify.
- Moodle.

Servers:

- AWS (EC2, S3(buckets), RDS, SNS).
- DigitalOcean.
- Ubuntu server.
- SSL configuration.
- Microservices.
- Docker.

Hardware:

- Computer equipment maintenance.
- Installation of cryptocurrency mining equipment.
- installation of RFID attendance biometric systems.

Database:

- MySQL.
- Postgres.
- Mongo DB.
- Firebase.
- Redis.

Languages:

- Spanish: Native.
- English: Intermediate proficiency.



Artificial Intelligence Development and Implementation: Designed and developed intelligent solutions aimed at improving user experience (UX/UI) and process optimization. Implemented machine learning algorithms for personalization, prediction, and task automation within web applications. Integrated AI models for real-time data analysis, enhanced decision-making, and the creation of adaptive interfaces, boosting platform efficiency and responsiveness.

August 2024 - 2025.

Broxia Intelligence.

Backend Developer



- **Backend Design and Implementation:** Developed robust and scalable backend architectures using best programming practices, version control, and automated testing. Implemented RESTful APIs and optimized business logic to ensure application performance and security.
- **Storage and Deployment Services:** Full administration of cloud storage services (Azure and AWS), including databases, file storage, and automated backups. Responsible for deployment infrastructure, integrating CI/CD pipelines and managing staging and production environments.
- **Technical Project Management:** Participated in two major projects for **PEMEX** as both administrator and backend developer, leading the full development cycle from requirements gathering to final production deployment.
- **Problem Solving and Innovation:** Proactively identified bottlenecks, production issues, and areas for improvement. Designed innovative solutions that enhanced system performance, reduced development time, and simplified internal maintenance processes.
- **Cross-Functional Team Collaboration:** Worked closely with frontend, analytics, DevOps, QA, and business teams to ensure a unified product vision. Facilitated technical communication and contributed to strategic decision-making across departments.
- **Security and Monitoring:** Implemented security policies for handling sensitive data. Set up monitoring, logging, and alerting tools to ensure high availability and real-time issue detection.

Academic Level:

Degree:

Engineering

Date: 2016 - 2020

Institution: Universidad Politécnica del Valle de México

Field of Study: Computer Engineering (Graduated)

Master's Degree:

Date: 2024 - Present

Institution: UNIR Postgraduate

Program: Design and Management of Technological Projects

Skills and Competencies:

1. Creative decision-making and leadership.
2. Problem-solving.
3. Proactivity and innovation.
4. Organization and punctuality.
5. Knowledge and application of the Business Model Canvas.

Portfolio

<https://dilanestudillonava.com/>