

# Emmanuel Guizar Rojas

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*Senior Backend Engineer and Technical Lead with 8+ years of experience designing, scaling, and maintaining production systems in complex environments. Strong background in backend architecture, cloud infrastructure, automation, and applied AI. Focused on building stable, maintainable software that supports end-to-end business operations. Experienced working with remote and hybrid teams across government, education, industrial, and retail domains.*

## PROFESSIONAL EXPERIENCE

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### FersaTechnologies

Monterrey, N.L (remote)

Senior Backend / Technical Lead

April 2020 – Present

- Led the architectural design and implementation of enterprise solutions for government, education, industrial, and retail sectors, defining technical standards and architectural guidelines that improved software consistency across the organization.
- Designed and deployed scalable AWS-based platforms using Docker and automated CI/CD pipelines (CodePipeline), reducing delivery times by 40%.
- Built and modernized enterprise systems in PHP (CakePHP 3/4), applying architectural best practices that improved performance by 40% and reduced delivery risk.
- Designed and operated multi-tenant systems supporting 15,000+ concurrent users, optimizing infrastructure and distributed caching strategies.
- Led multidisciplinary teams delivering high-impact products, integrating monitoring, KPIs, and DevOps practices to ensure reliability, scalability, and long-term maintainability.

### WebPoint

Monterrey, N.L (remote)

Full Stack PHP Developer

July 2018 – April 2020

- Built enterprise systems including inventory management, billing, and automated reporting modules.
- Refactored modular architectures, reducing application load times by 50%.
- Improved system stability and user experience by optimizing internal workflows, implementing dynamic validations, and strengthening error handling in production environments

### Inowebs

Morelia, Mich

.NET Developer / Electronic Invoicing Systems

January 2017 – June 2018

- Led the migration to CFDI 3.3 electronic invoicing standards, ensuring full fiscal compliance without operational downtime.
- Increased company revenue through system optimization and process automation.
- Improved overall system performance by 60% and customer satisfaction by 40%.

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## EDUCATION

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### Bachelor's Degree in Information Technologies

Instituto Tecnológico Superior de Pátzcuaro

Mexico

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## LANGUAGES

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Spanish: Native

English: B1 – Intermediate (technical reading and working comprehension)

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## TECHNICAL SKILLS

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- **Languages:** PHP, TypeScript, JavaScript, Python, SQL, HTML5, CSS3
- **Frameworks:** CakePHP 3/4, NestJS, Node.js, .NET, Laravel, Next.js
- **Cloud & DevOps:** AWS (Elastic Beanstalk, S3, EC2, RDS, ECR, CloudFront, CodePipeline), Docker, Git, CI/CD
- **AI / OCR:** Tesseract, YOLO, PyTorch, OpenCV, Google Vision
- **Databases & ORM:** MySQL, PostgreSQL, SQL Server, Prisma
- **Methodologies & Architecture:** Scrum, SOLID, Clean Architecture, MVC

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## SOFT SKILLS

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Technical Leadership · Problem Solving · Clear Communication · Autonomy · Accountability