

PRINCIPAL SOFTWARE ENGINEER

JUAN MARTINEZ

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PROFESSIONAL SUMMARY

Principal Software Engineer with 10+ years of experience designing, building, and scaling backend systems and web applications. Expert in PHP including custom and frameworks like Laravel, CakePHP and Zend, MySQL, AWS infrastructure, and API-driven architectures. Proven ability to lead complex integrations, modernize legacy platforms, and deliver secure, high-availability systems in regulated environments.

CORE SKILLS

- **Backend Engineering:** Laravel, CakePHP, Zend, MVC, REST APIs, Node JS
- **Databases:** MySQL, SQL Server, Oracle
- **Cloud & Infrastructure:** AWS, Linux, Apache, LAMP stack
- **Web Technologies:** JavaScript, HTML5, CSS, Ajax, jQuery, React, Next JS
- **Platforms & CMS:** WordPress, Joomla, PhoneGap
- **Systems:** FFmpeg, Asterisk, Server Administration
- **Other:** Third-party integrations, system optimization, technical leadership

PROFESSIONAL EXPERIENCE

GTL — Principal Software Engineer

Irving, TX | April 2014 – Present - Lead design and development of backend services supporting payment platforms and third-party integrations for government and correctional systems. - Architect and implement scalable PHP/MySQL and Node JS/ React solutions with a focus on security, performance, and reliability. - Own database design, maintenance, and optimization for production systems. - Partner with cross-functional teams to deliver compliant, mission-critical software.

DangerousGuitar.com — Founder / Lead Engineer

Dallas, TX | February 2012 – Present - Architected and built a custom e-learning platform using CakePHP and MySQL, hosted on AWS. - Developed a proprietary CMS managing users, lessons, payments, and media content. - Implemented Linux-based video processing pipelines using FFmpeg. - Scaled platform to over 100,000 paid users. - Designed and launched affiliate and referral systems to support business growth.

BePlused.com — Lead PHP Developer

Dallas, TX | September 2012 – April 2014 - Led backend development for a global social networking platform serving international users. - Migrated infrastructure from on-prem hosting to AWS, improving scalability and reliability. - Designed cloud architecture supporting web, email, and communication systems. - Oversaw vendor selection, contracts, and disaster recovery planning.

EDUCATION

Bachelor of Science in Computer Science (2008)
Autonomous University of Queretaro, Mexico

LANGUAGES

English & Spanish