Javier Lopez Lopez

Software Engineer

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With over 14 years of experience as a Senior Software Engineer, I have honed my expertise in solving intricate technical challenges through software development. Throughout my career, I have played pivotal roles in catalyzing growth for numerous companies across diverse domains.

As a versatile Software Engineer, proficient in Golang, Python, PHP, Javascript, SQL, NoSQL, and API development, I have consistently delivered robust solutions. I've also excelled in leadership positions, serving as a Tech Lead, and later as a Manager, overseeing engineering teams of up to 20 individuals. My proficiency extends to infrastructure management, including DevOps practices, CI/CD pipelines, Kubernetes, AWS, Terraform, Ansible, Docker, ELK stack, Jenkins, and Linux administration.

My approach is characterized by a hands-on, results-driven mindset. I am committed to perpetual learning and find immense satisfaction in contributing substantial value to the organizations I serve. Currently, I am an active open-source contributor to Rook Storage software, further showcasing my dedication to the tech community.

TechStack:

- Languages: Proficient in Golang, Python, PHP, and Javascript.
- Frameworks: Gin, Django, Flask, Laravel, Symfony, and Wordpress.
- Linux: Bash scripting, containerization, and system administration.
- Databases: Proficient in MySQL, Postgres, Redis, MongoDB, and Memcache.
- Cloud Administration: Experienced in AWS services, including Compute, Databases, Networking, DNS, Containers, CDN, Storage, and Developer tools.
- Infrastructure: Docker, Terraform, Ansible, CI/CD pipelines, Kubernetes, Helm Charts, Rook-ceph Storage, Jenkins and server migrations.
- Lead: Leadership of people and project management
- Currently delving into Rust and C.

Education:

Technical computer professional

CERTIFICATE AND TITLE

Conalep: Technical School at Mexico

Languages:

English: ★★★★☆ Spanish: ★★★★★ German: ★☆☆☆☆ Portuguese: ★☆☆☆☆

Experience

Sr Software Engineer at Airvet

MAR 2021 - CURRENT

With my extensive experience, I excel in:

- Error Resolution and Monitoring: Proficiently using Datadog and ELK stack.
- Language Migration: Leading Python to Go REST API migrations.
- Feature Development: Adding functionalities in Python and Golang.
- Config Pattern Implementation: Designing and implementing configuration pattern.
- Pattern Refactoring: Streamlining worker and database patterns.
- Best Practice Definition: Establishing development and deployment standards.
- Dependency Injection Management: Introducing effective patterns to manage DI.
- GRPC API Development: Creating high-performance APIs.

Cloud Storage Engineer

Mar 2023 - Mar 2024 - partial

My role at Koor was highly engaging, as it allowed me to work not only on the company's projects but also to make continuous contributions to Rook, an open-source project for use Ceph in kubernetes https://rook.io/

- Actively addressed issues and enhanced features for Rook
  - Working mainly with documentation, helm charts, core features and tests
- Utilized the Ceph API to monitor the status of Ceph clusters.
- Develop GRPC api
- Employed the Kubernetes API for cluster monitoring.
- Planned and developed the Genesis, a koor tool for managing Ceph clusters
  - Design of the API
  - Planning of the roadmap
  - Develop integration with kubernetes and kubeone and Hetzner cloud

Python Engineer at Within3

OCT 2021 - JAN 2022 (FREELANCE)

I've developed a range of Python-based microservices to seamlessly integrate custom Natural Language Processing (NLP) libraries with the frontend. This was primarily accomplished using Python and Flask, with one service implemented in TypeScript for enhanced functionality.

Head of Engineering at Siclo (Hands On)

SEP 2018 - MAR 2021

In my role as Head of Engineering at Siclo, I led a team of 20 engineers and took charge of various facets:

- Spearheading the adoption of Scrum methodologies for streamlined task management, fostering collaboration, transparency, and iterative progress.
- Placing a strong emphasis on Continuous Integration (CI) by implementing robust pipelines. This automation accelerated development cycles and elevated code quality.
- Orchestrating a seamless transition to containerized environments through Docker and Kubernetes, resulting in significant gains in resource utilization, scalability, and deployment efficiency.
- Prioritizing system reliability through meticulous monitoring and the implementation of fault-tolerance measures. This proactive approach ensured the mitigation of potential bottlenecks or vulnerabilities.

Software Architect at GFI/Kerio (Hands On)

JUL 2017 - AUG 2018 (Remote)

As architect at Kerio Updates, I played a pivotal role in the evolution of our platform:

- Transition from PHP to Python: Led the migration effort from PHP to Python, enhancing the platform's robustness and scalability.
- Legacy Code Maintenance: Diligently maintained and optimized legacy code, addressing bugs and implementing code cleanups for improved stability.
- Performance Optimization: Implemented performance-enhancing measures, optimizing the platform for heightened efficiency and responsiveness.

Software Architect at Lyris(Hand On)

OCT 2015 - JUN 2017 (Remote)

As Technical Lead and individual contributor at the EmailLabs project, I was involved on:

Elevated code quality through systematic refactoring, cleanup, and the introduction of custom private packages for improved tool abstraction.

Advocated for and implemented Test-Driven Development (TDD) techniques, resulting in a more robust and reliable codebase.

Conducted thorough security audits, promptly addressing identified vulnerabilities to ensure a secure application environment.

Implemented Docker for efficient deployment, while also overseeing AWS account management for seamless operational performance.

Chief Technology Officer at Clickbus (Hands On)

DEC 2014 - AUG 2015

As an individual contributor and leader at Clickbus Mexico, I played a pivotal role in enhancing their technological processes. This involved:

Spearheading the adoption of the Scrum framework for more efficient project management.

Coordinating seamless releases and deployments to optimize operational workflow.

Managing infrastructure for heightened reliability and performance.

Planning and orchestrating various IT projects to ensure successful execution.

Head of Dev. at SchoolControl (Hands On)

AUG 2014 - DEC 2014

In my role as the leader of the IT team, I undertook several pivotal initiatives:

- Successful Migration to Amazon AWS: Orchestrated a seamless transition from traditional bare metal infrastructure to Amazon AWS. This transformation not only modernized our operational environment but also unlocked a plethora of benefits, including scalability, flexibility, and cost-efficiency.
- Code Optimization and Enhancement: I Implemented comprehensive improvements to our codebase, resulting in a more efficient and responsive system.
- Streamlined Release Cycles: I overhauled our release processes, ensuring faster and more reliable deployments of critical features and updates.
- Process Refinement for Maximum Efficiency: I revamped existing workflows and protocols to create a more streamlined and efficient operation. This involved careful analysis, identification of bottlenecks, and the introduction of optimized procedures that contributed to higher productivity and reduced lead times.

Sr. Software Developer & Team Leader at Linio

AUG 2012 - DEC 2014

I began my journey at Linio as a Senior Developer, contributing significantly to the early stages of development. I played a key role in adding new features, training new developers, and automating critical processes.

After a year of exemplary work, I was promoted to the position of Team Leader. In this capacity, I took charge of various teams, focusing on backend improvement. My responsibilities included conducting code reviews, leading technical process planning, and adeptly resolving complex challenges and blockers for both the team and project management and quality assurance teams.