

Jorge Alejandro **López Monzón**

SOFTWARE ENGINEER · ARCHITECT SOLUTIONS

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"If only you and dead people can read hex, how many peoples can read hex?"

Summary

Software Engineer with more than 30 years in the development, integration, and migration of computer systems. Focused on the advances in the tech industry, developing platforms and application with Python focused on cloud, data science and web (microservices). Expert in relational and non-relational databases as well optimization in the most popular (and not so popular) RDBMS focused on data science as well.

Work Experience

BDG / GTC Bank / IAC

Guatemala, Guatemala (Remote)

SOFTWARE ENGINEER (FREELANCE)

Jan. 2023 - current

- Worked for diverse clients developing both web and standalone apps, achieving efficiency increases of up to 50%.
- Achieved a 20% improvement in scalability and application performance by seamlessly deploying and managing Azure and AWS cloud resources.
- Optimized web applications developed in C++ with a personalized framework, leading to a 15% increase in user satisfaction and engagement.

Techstack: Python, Flask, pySpark, Azure, GCP, MySQL Server, Oracle Databases, MongoDB, PostgresQL, IBM DB2, Golang, Scrum, Git, GitHub, Serverless Applications, App Functions and Lambda Functions, C++, Java, Spring Boot.

Claro CENAMPA

Guatemala, Guatemala (Hybrid)

SOFTWARE LEAD ENGINEER

Feb. 2008 - Nov. 2022

- Implemented IBM Suite (WAS, MQ, APIC) for company's billing on AS400, achieving a 65% reduction in the total time of the complete billing process.
- Created a middleware software (MA) for the integration of the workforce management (OFSC) optimizing 100% the deployment of the field force for installation and repairs.
- Deploy our own eLearning (EduClaro) reaching 100% of employees in internal training.
- Create and optimize a bundle of reporting backend applications, reducing by 70% the generation and delivery time to final users.
- Integrate existing apps with Azure and GCP clouds achieving a 50% increase in the efficiency of IT operations.
- Complete the adoption of 5G technology (Huawei) increasing mobile transfer speed in Central America by 100%.
- Improved a complete inhouse modules for AS400 in RPGILE adding necessary features for a 100% effective operation.
- Transform old school development in new technology (Kotlin, Go, Python, etc.) 100% completed.

Techspec: Java, Python, Go, PHP, Kotlin, C#, Spring, Gradle, Quarkus, RPGILE, Bash, Websphere, RAD, WAS ND, MQBroker, IBM DB2, Oracle DB, Mysql, Docker, Kubernetes, Spark, Angular, Django, Slim, Iris, Selenium, Cobra, Git, Github, GitLab, pySpark, Kafka, Camel, Microservices Design, IBM APIC, dotLRN, TCL/TK, LDAP, Hangfire

VICAL Group

Guatemala, Guatemala

SOFTWARE DEVELOPER JUNIOR/SENIOR

May. 2005 - Dec. 2007

- Improved plugins written in VC++ and Delphi for JDE OneWorld (ERP) getting a 22% increase in interface loading times.
- Create a complete inHouse set of application in Delphi, VB, Java and C# to improve by 33% the statistical quality control.
- Improve the HR module obtaining a 45% response improvement in the service.
- Completed porting of apps from s36 and s38 to RPG 400.
- Develop the interfaces with MinTrab, IGSS and SAT, obtaining 100% certification within the estimated time.

Techstack: Visual C++, Delphi, Java, VB, C#, DAO, ADO, Git, Mysql, Postgresql, RPG, RPG-ILE, RPG-ILE/SQL, Ant, Mercurial, EC2, SVN, Firebase, database design, interface integration.

Education

USAC (Universidad de San Carlos de Guatemala)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Guatemala, Guatemala

USAC (Universidad de San Carlos de Guatemala)

B.S. IN APPLIED MATHEMATICS

Guatemala, Guatemala

Skills

Programming	Java, Kotlin, Go, Python, JS/TS, RPG/ILE, C/C++, C# (.NET), VB/VB.NET, PHP, Bash, Swift, HTML, CSS, LaTeX
Frameworks	Spring (Framework / Boot), Quarkus, PrimeFaces, JSF, Struts, Laravel, Slim, Symphony, Django, PyQt, FastAPI, Spark, Angular, React, VUE, Cobra, Iris, Echo, Hangfire, Mono, Selenium
DevOps	AWS, Docker, Kubernetes, Terraform, Jenkins, GitLab, GitHub Actions
Dev Tools	Gradle, Maven, Ant, Git, Mercurial, SubVersion
WebContainer	IBM Websphere, Oracle Weblogic, SAP Netweaver, Redhat Wildfly/JBoss
Others	Linux, Windows Server, MacOS, IBM Broker, RabbitMQ, Kafka,
Languages	Spanish, English