Jorge Alejandro **López Monzón**

SOFTWARE ENGINEER · ARCHITECT SOLUTIONS

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"If only you and dead people can read hex, how many people 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 from mobile phone with Kotlin and Swift to mainframes with RPGILE over IBM iSeries. Expert in relational and non-relational databases as well optimization in the most popular (and not so popular) RDMBS focused on data science.

Education

USAC (Universidad de San Carlos de Guatemala)   *Guatemala, Guatemala*

B.S. IN COMPUTER SCIENCE AND ENGINEERING

USAC (Universidad de San Carlos de Guatemala)   *Guatemala, Guatemala*

B.S. IN APPLIED MATHEMATICS

Work Experience

Claro CENAMPA   *Guatemala, Guatemala*

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. **Stack: RPGILE, Websphere, APIC, DB2, Java, RAD, WAS ND, MQ Broker**
- 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. **Stack: Java, Python, Go, Spring, PrimeFaces, Bash, pySpark, Gradle, Git, GItHub, Angular, Oracle, DB2, MongoDB, Cassandra, REST, SOAP, SQLite, Microservices**
- Deploy our own eLearning (EduClaro) reaching 100% of employees in internal training. **Stack: dotLRN, TCL/TK, PHP, ActiveDirectory, LDAP, Symphony, Slim**
- Create and optimize a bundle of reporting backend applications, reducing by 70% the generation and delivery time to final users. **Stack: Java, PHP, Django, Slim, FastApi, C#, Hangfire, Gradle, Maven, SQL Server, Oracle, DB2**
- Integrate existing apps with Azure and GCP clouds achieving a 50% increase in the efficiency of IT operations. **Stack: Java, Kotlin, Go, Cobra, Iris, Selenium, Docker, Kubernetes, Azure, GCP, Mercurial, Git, Linux, Bash, SQLServer, DB2, Firebase**
- Complete the adoption of 5G technology (Huawei) increasing mobile transfer speed in Central America by 100%. **Stack: Azure, GCP, Microservices, Java, Go, Kotlin, RabittMQ, Kafka, Camel, Spark, REST**
- Improved a complete inhouse modules for AS400 in RPGILE adding necessary features for a 100% effective operation. **Stack: RPG, RPG-ILE, RPG-ILE/SQL**
- Transform old school development in new technology (Kotlin, Go, Python, etc.) 100% completed. **Stack: Kotlin, PHP, Python, Go, Java, Gradle, Azure, GCP, Microservices**

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. **Stack: Visual C++, Delphi, DAO, ADO**
- Create a complete inHouse set of application in Delphi, VB, Java and C# to improve by 33% the statistical quality control. **Stack: Delphi, Java, VB, C#, Ant, Mercurial, Git, MySQL, Postgresql**
- Improve the HR module obtaining a 45% response improvement in the service. **Stack: RPG, RPG-ILE, RPG-ILE/SQL**
- Completed porting of apps from s36 and s38 to RPG 400. **Stack: RPG, RPG-ILE, RPG-ILE/SQL**
- Develop the interfaces with MinTrab, IGSS and SAT, obtaining 100% certification within the estimated time. **Stack: Java, VB, C#, Delphi, ADO, DAO, EC2, SVN, Firebase, MySQL**