

# Gabe Loera

DFW Area | 214-997-4949 | gloera@gmail.com | www.linkedin.com/in/gloera | https://www.upwork.com/fl/gabeloera | www.gabeloera.com

## EXPERIENCE

### **Upwork Freelancer** 06/2020 - Present

#### **Software Application Development**

Designed and developed cross platform GUI application used to obtain stock option history and provide the best option price spread for a particular instrument based on in the money probability percentage.

Technologies used: Python, SQLite, Gitlab, TKinter

### **Pier 1 Imports** 01/2019 – 06/2020

#### **Software Engineer**

Key member of supply chain software development team utilizing the Agile Scrum process. Experience on creating new microservices with Spring Boot, Eureka Service Discovery, RabbitMQ, and REST web services. Designed and developed microservices for interaction with 4R Systems solutions partner. Design and development on Java Spring Boot framework. Developed method for remote traffic testing using JMeter to ensure reliability for Retail Holiday Readiness. Responsible for the core elements of design, development, and testing of deliverables while collaborating across multiple delivery teams. Responsible for mentoring less experienced software engineers in technologies, processes, and workflows.

Technologies used: Java, RabbitMQ, Perl, Bash, Spring Boot, Hibernate, Eureka, Angular, SQL Server Database, Oracle Database, MariaDB, Scrum, Jira, Confluence, Gitlab

### **Phoenix, Inc** 05/2015 – 01/2019

#### **Software Application Development**

Responsible for design and implementation of automation applications and GUI development for proprietary use. Responsible for maintaining, repairing and upgrading network and computer systems. Implemented NAGIOS monitoring system to respond immediately to security or usability concerns. Identified mission critical data from multiple sources in order to create a backup strategy to minimize shop downtime.

- Reversed engineered data files for CNC machining tool and created a windows GUI application for the management and modification of binary data files.
- Reversed engineered DBase database and implemented several programs to help facilitate day to day activities.
- Designed and implemented microcontroller relay to interface with proprietary time management system.
- Designed and implemented application to interface with DBase database utilizing customer data in excel to create accurate demand forecasts based on existing inventory.
- Designed and implemented automated programs to capture daily metrics for customers.

Technologies used: Python, C++, swift, Bash, Perl

### **Hitachi Communication Technologies America, Inc.** 07/2009 – 05/2015

#### **LTE Software Engineer**

Technical lead in development of distributed UDP path management system to service the GTP, S102, other protocol components on the MME and SGSN. Designed and implemented distributed packet steering and routing framework for virtualization platform.

- Implementing a framework to minimize changes to existing software components by designing remote proxies for inter-process communication.
- Utilized message serialization for inter-process communication over TIPC sockets.
- Designed and implemented packet steering manager for virtualized network hosting MME/SGSN
- Subject matter expert in several core software components.
- Member of field support team interacting closely with customers to troubleshoot and resolve field issues quickly.

Technologies used: C++, Boost, TIPC, VMWare

### **Nortel Networks** 01/2000 –07/2009

#### **Wireless Data Software Engineer**

Technical lead in design and development on the following LTE projects: signaling protocol for mobility management entity, distributed UDP path management system, next generation SGSN tunneling protocol, and IP steering framework.

- Design and implementation utilizing standard technologies like STL and Boost libraries to promote efficiency and provide robustness to the system.
- Defined protocol standard to quickly facilitate interoperability with peer network nodes.

- Led international design team and developed procedures to improve remote communications.
- Traveled to international development site to provide training and coordinate project resourcing.
- Lead designer in all phases of development for open standards UDP based tunneling protocol architecture.
- Responsible for reviewing and identifying issues in protocol standards and assisted in submitting formal changes for clarification or correction.
- Developed and implemented innovated solution to protocol shortfall and provided Intellectual Property Rights to be presented to multi-vendor committee for adoption into protocol standards.
- Team lead for standards compliance feature encompassing team members from India and US.
- Design and implemented wireless access framework, which provided a solution for service and application groups to present web based content without regard to user agent.
- Implemented Java Servlet filters for modifying behavior to perform XSL transformations and compression.
- Design and implemented distributed session management, resource detection, and application cluster management.
- Utilized enterprise technologies like JDBC/SQL for database access and SOAP/XML for distributed system management. Assisted in the high-level design of multi-tiered OAM&P architecture for wireless radio network element.
- Developed prototypes using Java during design phase and performed demonstrations for customer validation.
- Designed and Implemented Java GUI framework for the easy integration of client components into third party Java OAM&P framework.
- Quickly identified as technical lead responsible for providing direction, technical assistance, coordinating design efforts, and providing input on all design decisions.

Technologies used: Java, Perl, Bash, SVN, Clearcase, C++, C

## **Technical knowledge and skills**

Programming & Scripting Languages

C++, Java, Python, Perl, Bash, Javascript, Awk, Sed, Expect

Libraries & Frameworks

Spring Boot, Microservices, TIPC, TKinter, JPA and Hibernate, Eureka, UML

Tools & Platforms

Linux, GitLab, X/Cygwin, VirtualBox, Git, JMeter, VMWare

Databases

SQL Server, Maria DB, Oracle DB, dBase

Agile Tools

Jira Software, Confluence, SCRUM

## **EDUCATION**

**The University of Texas at El Paso**

09/1995 – 12/1999

Bachelors of Science in Computer Science