**Srikanth**

**415-935-0143**

[**Sri.k4244@gmail.com**](mailto:Sri.k4244@gmail.com)

**PROFESSIONAL SUMMARY:**

* 8+ years of experience in C, C++ on UNIX and Linux platforms.
* Strong knowledge of Object-Oriented software engineering **methodologies**, the full Software Development Life Cycle (**SDLC**).
* Expert in STL containers, Design Patterns, Socket programming, Multithreading, inter-process communication
* Having hands on experience in Object Oriented Development, code optimizations and web development.
* Strong ability and skills in design, coding, debugging, problem-solving, integration and maintenance.
* Extensive Experience in Multi-tier Application Development and Knowledge with Design Patterns.
* Experience using Python and Shell Scripts.
* Written queries, stored procedures and triggers in RDBMS Oracle, Microsoft SQL Server, MySQL.
* Fully conversant with Systems Development Life Cycle (SDLC).
* Experience in Configuring, installing and upgrading Oracle Golden Gate 11g/12c.
* Experience in performance tuning for Oracle Golden Gate Extract and Replicates.
* Understanding and knowledge of **AWS Services** (EC2, S3).
* Experience on all phases of software development lifecycle from design to development.
* Remarkable knowledge of VoIP, SIP protocol services and network architecture.
* Good exposure in IMS architecture with all the nodes **(P-CSCF, I-CSCF, S-CSCF, AS, HSS)** and having knowledge on end to end call flow including IMS Registration. Knowledge on VoLTE call flows.
* Good knowledge on **Data Structures, STL and algorithms**.
* Experienced in UNIX Network, **IPC, Multithreading concept, TCP/IP and Socket Programming.**
* Hands on experience in **REST** Web Services and **CICD** tool
* Hands on experience in **Agile World Environment**.
* Strong debugging, troubleshooting, and diagnostic skills.
* Unix/Linux and Win32 Systems Programming (using TCP/IP Socket, Memory Mapped I/O, timers, threads and file systems I/O, device drivers etc.) for backend Services and Gateways for High Speed Data Transfer.
* Experience with various source control tools like cvs, svn and Git/GitHub.
* Used Jira, bugzilla and other project management tools.
* Expert at web services, sending xml and Json data over wire.
* Used .NET win forms and GDI graphics, toolbar buttons to match MS-Word UI standards.
* Responsible for iSeries security including tools, updates, monitoring and enforcement of security.
* Proficient at debugging code. Acted as second and third level support at various positions. Handled late night production issues. Dispatched hot fixes.
* Applied knowledge of machine-learning, data science, algorithms and associated tools.
* Proficient in Test Driven methodology to design, develop & test software modules.
* Proficient in using static analysis tools and caught many severe bugs before production release.
* Demonstrated ability to learn quickly and work efficiently on multiple assignments in either self-directed or cross-functional and team-oriented environment.
* Skilled in motivating and leading peers, and scheduling project activities

**SKILL SET:**

* **Languages & Protocols**: C, C++, STL, Java, C#, PL/SQL, PRO\*C, Unix Scripts, XML, HTML, CSS,

TCP/IP Socket Programming, SNMP, FTP, SFTP, SMTP, WSDL, SOAP, REST

* **Scripting Languages**: UNIX Shell scripting, Python, Perl, PHP, JavaScript, VBScript
* **Database**: Oracle11G PL/SQL, MySQL, Microsoft SQL Server, SAP HANA, Microsoft

Access, NoSQL

* **Environments**: Linux, UNIX (AIX, Solaris) and Windows
* **APIs**: ODBC, JDBC
* **Frameworks**: .NET, ADO.NET
* **IDE**: Eclipse, Visual Studio, CodeBlocks, Visual C++, gcc
* **Tools**: git, Github, CVS, gdb, g++, MATLAB, Simulink, JIRA, PMBOK tools, SOAP UI,

SharePoint, Citrix, BMC Remedy, HP QC

**CAREER HIGHLIGHTS:**

**Client: Southern Company – Atlanta, GA Jun 2016 - Present**

**C++ Developer**

**Responsibilities:**

* Responsible for end-to-end development (design, code, develop application, all its subcomponents and interfaces etc. in C++, STL, Rogue wave) of BB STP feed - primarily for the Repo Trading desk.
* Contributed to almost every Misty release on the server side after joining.
* Automate processing of trade / order tickets archive generated by Misty, Martini Systems (C++, Perl, Unix Shell script).
* Troubleshoot and fix bugs in C++ Processes, Perl / Shell scripts.
* Work on discretionary enhancements as requested by the business.
* Co-ordinate with trading desk during requirement specification and User acceptance test.
* Co-ordinate with support team in the event of an escalation.
* Co-ordinate with team's spread across multiple geographical location.
* Document every major enhancement's/ fixes.
* Co-ordinate Misty release.

**Environment**: C, C++, XML, SHELL SCRIPTING, SQL, UNIX, SOLARIS

**Client: Group1200 media- Dallas, TX Nov 2013 –May 2016**

**C++ Developer**

**Responsibilities:**

* Worked for various clients in SIP stack development and its applications
* Involved in design and development of many RFC’s (UPDATE, PRACK, Session timer etc.…) support for SIP stack
* Developed and maintained T38 support in User Agent module of SIP stack
* Development and maintenance of early media support in SIP stack
* Design and development DSL optimization (multiplexing and de-multiplexing of RTP packets) in Femto Gateway.
* Developed communication protocols such as TCP/IP, SSL/TLS, HTTP.
* Translate customer business requirements into formal Technical design documents, establish specific solutions, and leading the efforts including programming and testing that culminate in client acceptance of the results.
* Used Linux IPC for inter process communication
* Used Linux Multi-threaded programming
* Debugging the existing code for resolving any code related issues
* Design, development and maintenance of Dial plan application
* Memory leak and other memory related issues are tested for SIP stack against Insure++ tool and fixed all the issues.

**Environment**: C, C++, Linux, CVS, Gnats, HCLVTE, Wireshark, MS Visual Studio IDE, Eclipse IDE, sipp.

**Client:Alcatel- Chennai, India Apr 2011 – Sep 2013**

**Embedded Engineer**

**Responsibility:**

* Developed, tested programs in C, Pro\*C, make files, Oracle (using TOAD, SQL developer), DBX debugger, SQL, PL/SQL on Unix platform, maintained under Source code control System (SCCS/VCTL) for various modules like claims, reference data, third-party liability (TPL), financial subsystems for the states of Alabama and Connecticut.
* Created and deployed Unix shell scripts (KORN) to run the periodical jobs for claims engine, financial payments, reference data maintenance (rules engine), decision support systems (DSS), job scheduling using Autosys, Autosys database maintenance.
* TCP/IP protocols suite including IP addressing, static and dynamic routing; Configure TCP/IP.
* Used LDAP directory for user authentication and authorization.
* Lead developer responsibilities on DRA (deficit reduction act) module development – worked on reference, claims writing programs in Pro\*C, KSH shell scripts on UNIX, XML parsing, XSD changes.
* Technical lead responsibilities on Pro-DUR (Prospective – Drug Utilization Review) policies and new reports – developed in Pro\*C, KSH shell scripts, Autosys jobs on Solaris UNIX, Source code control System (SCCS).
* Create and modify Python, UNIX shell scripts that load data from other systems into schemas for operational reporting.
* Facilitated integration and user acceptance testing data setup using .NET UI and SOAP servers – configured claims/benefits data for testing various payers.

**Telenor- India Jun 2009 – Mar 2011**

**System Engineer**

**Responsibility:**

* Designed and developed the multithreaded servicesusing POSIX standards as per the usage and performance metrics.
* Effectively used the C++ socket programming to connect to and fetch information from the mainframe systems.
* Used the iostream library to write into and read the files which are sent and received respectively from different systems.
* Designed, developed and tested the middleware servicesusing C++ meeting deadlines and budgets.
* Efficiently developed applications using socket programming, web services, FTP/SFTP protocols etc.,Have used the knowledge of basic object oriented programming concepts such as inheritance, polymorphism, overloading, encapsulation etc., to understand, maintain and enhance the existing code.
* Designed provisioning (software downloads) system such that Sync modules could be programmed over Wifi during automobile assembly on assembly line. System under went global deployment.
* Have acquired the knowledge of Oracle Tuxedo product and developed dozens of applications from scratch implementing the ATMI model.
* Installed the Tomcat, Jboss, Oracle 11G, Tuxedo on the servers and setup the environment as per the purpose.
* Documented the change requests, incidents and production releases.
* Automated and managed the cron jobs using Unix commands for the daily data communication across the various systems.

**Environment: C/C++, UNIX, Multithreading, TCP/IP Socket Programming,Oracle Tuxedo, Oracle PL/SQL**

**EDUCATION:**Bachelor’sof Technology in computer science, Nagurjuna University