I am an Architect and lead engineer with a consistent track record of analyzing, architecting, developing, debugging, and implementing high-profile complex technology-driven solutions. Looking forward for a Lead / Architect position, which enables me to contribute to the best.

* Enhanced / implemented a generic VoIP core (tiny footprint) to deploy over phone devices with their onboard OS as a hosting environment. VoIP core comprises a module suite supporting communication protocols with event model system with basic c runtime; fully controllable module loading and unloading onto specific memory regions to support high efficiency.
* Communication is via BSD sockets. SIP registration and call receiving/forwarding and call handover are key flavors of generic VoIP core. Call handover is based on Wi-Fi signal strength estimated. Implemented round robin buffer to stream data to the endpoint via RTP. Development speed is achieved via desktop tools using IDE. The core is generic and embeddable to host with minimal interface inclusive generic rendering window. Echo cancellation is an external third party library interface.
* SIP, RTP, and RTSP are core protocols to drive audio and video content data.
* On the device, Bluetooth-based logging to free voice path and custom UI rendering.

Embedded dev, Mobile phone dev, Windows CE, C++, Bash, Perl, design patterns, UML, Visual Voice mail, Apache, SQL, SQLite, Protocol development, SIP, BSP, Router protocols, Cisco ios, Packet tracer, Bluetooth protocols, Perforce, FSM

BBC News (Technology Group) acquired by Business Services, CA –fulltime, Dec’08- Sep’17

* User Interface layer & application logic for Collidia; Using Win32, WTL (for UI), Java, Messaging Servers,
* Live feed to archive; to retrieve over digital servers using Quantel controls;
* Switching interface to enable/disables route paths switch bank hardware via messaging servers, C#/.Net based tools to edit and format content.
* Interface to industry studio tape units via standard protocols on RS232/RS435 ports.
* Controlling switching systems and establish routes on defined time interval. Auto park /load are primary control features

Java, C#, VC++, Multi-threading, WTL, RS232, COM, MTS, COM+, DCOM, ActiveX, ATL, Custom framework, Telelogic.

**Aquarius Computing Ltd., - Fulltime, Apr ’97 – July ’08**

* Integrated AMA application, with V2 custom libraries; Implemented “Readback” module to read custom data
* Setup builds environment for enhancing the AMA application to implement use cases
* Read Oracle AQ messages from queue and parse the XML message using Xerces library
* Create/Update seller profile to Kenan-BP system
* Implemented Web pages, Adjustment Item Credits and Final value fee with Pagination
* Post/Retrieve single and bulk adjustments in ISAPI environment
* Used Thread local storage and Hash algorithms to cache user data
* Implemented and constructed pages using XSL / XML / XSLATE/ Html

Sun Solaris, Windows, C, C++, VC++, Multi-threading, ISAPI, Oracle AQ, Xerces lib, XML, XSL, JavaScript, HTML