



Job Resume

John Schlup

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See www.schlupsonline.com/resume.htm for a complete resume.

4 Years as Computer Tech

14 years of PLC programming

14 years of building, service, and design automated equipment

12 year of ordering parts and taking care of inventory

I am young ambitious person having a passion to build, modify, and design automated equipment. I have built and maintained equipment ranging from automated equipment to full computer networks. Electronic: PC controls, PLC controls, Servo, VFD, and microprocessors. Mechanical: designing, manufacturing, maintain, weld, and machine (lathe/mill/shear/break). Pneumatic and Hydraulic: design, troubleshoots, and modify.

Experience

Alpha Packaging Inc. (2 1/2 Years as IT and service technician) still employed please ask for contact info (*details page 2*)

Service, upgrade, maintain, and repair computer system and network.

Service, rebuild, and modify plant equipment (electronics and electrical equipment)

Design, build, and modify equipment for plant and customers.

Georgia Pacific (4 years as a service technician on call 24/7/365) (*details page 4*)

Service, rebuild, and modify packaging equipment.

Equipment Type (Tapers, Sealer, Former, Fillers, Cappers, Pallet Wrapper, Printers)

Klippenstien Corporation (8 years as an electrical engineer and service technician) (*details page 5*)

Design, service, and modify production equipment.

Design electrical control panel using computer controls, PLC's, and micro controls to automated equipment.

Education (*details page 6*)

Fresno City College (electronic, computer and networking)

Reedley College (automotive technology)

Reedley High School (general education)

Skills (*details page 7*)

Electrical

PLC Programming (have programmed many different PLC's {Allen Bradley, Siemens, GE Fanuc, and many others})

Electrical Panel (design and built to NEC and UL Spec.)

Trouble Shoot (Variable frequency drive, relay, PLC, servo motor, stepper motor, and circuit boards)

Mechanical

Service, rebuild, and modify equipment

Draw and read hydraulic and pneumatic schematics.

Setup and trouble shoot many types of equipment (from production equipment to electronic equipment)

Machine shop skills

Operate Vertical and Horizontal Mill

Operate Lathe

Weld (Steel, Stainless Steel, and Aluminum)

Computer

Installed Web, Email, SQL, file, and Terminal Servers.

Have written programs in Visual Basic, Visual C++.

Written many microprocessor programs.

Worked with computer hardware (at one time I built an ISA bus card to control simple outputs.)

Circuit Boards

Repair Nordson temperature control boards for several different companies

Hobbies (*details page 7*)

Built a 41 Chevy Coupe

Building a Ultralight

Building a 75 GMC Jimmy

Personal References (*Supplied upon request*)

Experience

Alpha Packaging Inc.

Phone: Please contact for info

Start date: January 18 2005

End date: Currently employed

Supervisor: Please Contact for info

Computer and network

Install New System

Install, setup, and configure new computer system. Windows Server 2003 Application Server, Terminal Server, SQL Server, Web Server, Exchange Server, 15 terminal clients, and 35 user clients. Spent along weekend getting the system running then got them live on 3/5/07. Have had some small problems but most of them are worked out.

Web Server Windows Server 2003 (IIS6)

Host www.alphapackaging.com and www.edgmktgroup.com. Web site and FTP Server (rebuild site in near future)

Terminal Server Windows Server 2003 (Windows terminal server)

Setup all terminals on the plant floor under a very restrictive group policy to limit internet traffic.

SQL Server Windows Server 2003 (SQL 2000)

Move data and setup backup system

Application Server Windows Server 2003 (Domain controller and file server)

Store shares and was also the Domain Controller.

Exchange Server Windows Server 2003 and Exchange 2003

Setup Exchange server. transferred accounts and spam filtering settings. Secondary Domain Controller.

Backup Yosemite backup (Tape backup for critical data)

Backup all critical data from all of the servers

Fire Wall

Setup firewall (Traffic Log, Web pop-up block settings, and VPN with outside sales personel.

Old system

E-mail server Free BSD running sendmail (check system, security, and mail log. Manage users and control spam)

SQL server Microsoft SQL Version 6.5 (manage users, backups, and database)

File server Novell Netware 3.14 (manage user, backups and monitor files)

Network (run cable and setup computer hardware)

Phone System (add user move phone add lines change setting)

Maintain and service phone system (Norstar Meridain).

Maintain and service phone Messaging system (Nortel Callpilot 100)

PLC Programs

Main Line

Alpha had some old used conveyor. I had to figure out a layout for this conveyor. Order all of the valves, sensor, controls, wiring, plumbing, and conduit. Built the control panel using a Micrologix1500 and supporting I/O. Each 5' section of the conveyor was controlled individually so that the units would not run into each other. The units were feed on demand into the unitizer. Also they were staged so that incoming conveyors had an open place on the main line.

Edge Sweet band saw (Automatic vertical band saw)

Alpha purchased a used band saw that was going to be scrapped for steel. The controls were missing or damaged.

I build a new control panel and wrote a new PLC program. I wrote the program so that the operator could call up old batches or build a new cut sequence. Also in the program there was screen for a yield calculator. The yield calculator would automatically find the best way to cut the foam to get the most number of pieces from that size of foam.

Simmons auto stitcher (Automatically stitch, count, and index large cases)

Again Alpha got a good deal on used pieces of equipment. We got it at such a good price that we had some money to spend to automate a lot of the functions. I built the control panel that would now index the case into and through the stitch head.

This would not only count the stitches but determine the distance between the stitches. An error banner display at the bottom of the panelview would display everything from pull E-stop to overload tripped and time to oil stitch head.

Unit Turner

When I was first hired the maintenance department was building a unit turner. Unit Turner is a machine that would take a unit of corrugate and turn it over. They were not sure on the controls or how to size the motor. I calculated the motor size and VFD for the load. Then built the control panel using Micrologix1000. During testing the chain broke (they used an old chain) the machine almost came off of the support roller. Then we realized that if we lost air or power that this could happen again. So I designed a brake that would stop the load if the load moved to fast (based on a prox and PLC), lose power or press e-stop, or lose air.

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Design

I use AutoCAD and Solid Works to draw layouts and schematics.

Brake for Unit Turner

Automatic bandsaw

Scoring machine

Service

Maintain and service equipment at the customer's facility. Install equipment that Alpha had sold examples (3M, Loveshaw, Lantech, Infrapack, and Samuel Strapping).

Build

Build and design Scoring Machine for one of Alpha customers.

Modify

Bring in equipment to modify.

Parts

Would order parts for computer system and electrical or electronics in plant.

Equipment Type

Serenco (Rotary Die Cutter)

Emba (Flexo)

Bobst Post (Folder)

Edge Sweet (band saw)

Georgia Pacific

Phone: 1-559-637-0600

Start date: May 9 2000

End date: Dec, 18 2004

Supervisor: Luther Roberts 1-559-647-5606 or Jim Dugger 1-559-647-5601

PLC Programs

Southern Packaging DRC former

Rewrote the PLC program for a Southern Packaging DRC former. The case size change's took too long so I rewrote the program. Every size box has block of memory within the PLC. Memory is moved for that block to the running registers. Interface controls the move of memory from a simple list of box sizes.

Changes went from 1 hr to 10min. Omron PLC and Interface was used.

Moen DRC former

Had problems with all of the alarms. Alarms timer's with the PLC were too sensitive to box size change. The machine would shut down and give an alarm when nothing was wrong. I wrote a new program with no alarms also used the same idea as the southern to speed up size changes. Micrologix 1500 and quick panel jr (interface) were used on this project.

Design

I drew a lot of schematics and parts for the other technician. I use AutoCAD and Solid Works to do this.

Service

Maintain and service equipment at the customer's facility. Myself and 5 other technicians would take care of many different types of packaging equipment. We covered California, Arizona, Oregon, and Washington. We were on call 24/7/365. We kept the equipment from breaking down and adjusted for the different paper sizes.

Build

I had to build a machine that would laminate the flaps to the case on a DRC box design. Then take this downed case and run it on any SWF tray. This box idea did not work well but I am capable of building a machine starting with nothing.

Rebuild

Bring in equipment from field.

Tear down and check all parts.

Reassemble, adjust, and install.

Modify

Bring in equipment to modify for new and experimental box sizes.

Modify machine parts for reliability. Most new machines would have problems. Our job is to make them run reliably in the worst condition. With my back ground (from the manufacturer's side) I would get the job of modifying the machines to run the new and experimental boxes.

Parts

Within the last year I have been ordering 80% of the parts for the other technician. Luther (the supervisor) had asked me to do this because of my computer skills. The parts are now in order and in an Access SQL database. Parts are being checked out with a bar code scanner. I had set up the Access database and wrote software in VB to check in and out parts by the other technicians. I would take this information and enter it into MP2 database.

Equipment Type

SWF

Southern Packaging

Moen

Simms Taper

Elliott Manufacturer

Maxco

Padlocker

Klippenstein Corporation

Phone: 1-559-834-4258

Start date: May 30 1993

End date: May 9 2000

Supervisor: Richard or Ken Klippenstien

PC Programs

A foam manufacture would spray adhesive to the foam by hand. There was a lot of labor and waste of adhesive. We came up with a way to draw the foam on the computer then spray the glue on the foam like a large printer. I was involved with the mechanical and electrical side of this project. I wrote the program in Visual C++. It is very user friendly and reliable.

PLC Programs

Have written many different PLC Programs.

(Allen Bradley, Siemens, GE Fanuc, Mitsubishi, Omron)

Allen Bradley

5/20 Control panel for a full random case sealer for RCA in Mexico. Sealer would size itself from a barcode scanner and an array of sensor. It could run a 19" TV to a 60" projection screen back to back.

SLC 5/04 – SLC 5/01 Many different machines the most notable was a large former that would check for glue and tape to be applied. Panel View 550 would display all faults and allow access to internal registers and timers. Also a conveyor system with DC motor.

PLC would check the speeds of the motors with an encoder. Then send the speed reading up and down stream via RS485 to the other conveyors.

Mitsubishi

FX-ON Used to control the movement of glue (hot glue in a cold state) through a series of tubes. 4 drop stations that would automatically fill large glue pot. The tricky part was that each fill station had its own PLC that would communicate using RS422 to a hopper that cycled the glue.

Siemens

Series of photo eyes would check 6 different box sizes then divert them to the correct conveyor. PLC would also send ACSII string to a high resolution ink jet printer to print message on box.

Design

Draw and redraw parts that were modified (AutoCAD and Solid Works)

Worked with the mechanical engineer to design new equipment.

Layout design and build all electrical panels and PLC programs.

Service

Install and service Klippenstein Machines

Service and modify customer's equipment (not only Klippenstien equipment).

(Taper's, Strapper, Sealers, Casers, Former, Cappers, Pallet Wrappers, Sizer)

Build

Lot of Equipment too many to name.

Some of them with servos and a lot of electronics. Some of them simple and all mechanical.

Rebuild

Klippenstein would modify and rebuild many other manufacturer's equipment.

Modify

I have modified and adjusted very many types of packaging equipment in the field. If you are looking for an employee that thinks on his feet and is able to adjust to the condition of the machine, I am that type of employee.

Parts

I was in charge of all of the ordering and inventory of electrical parts.

Education

Fresno City College

Night Classes Fall of 2002

Electronics (Ohm's law, resistor color code, Kirchhoff's law, ect.) Grade A+
Computer hardware (ISA/PSI/AGP Bus, Memory bus, Processor's, Power Supplies) Grade B+
Networking (computer networking basic) Grade B+

Reedley College

Day Class Fall and Spring of 1993

Automotive Technology (Electrical, Transmissions, Brakes, Tune Ups, and Engine Rebuild) Grade B+

Reedley High School

General Education

Grades were very good in math and science. Went all the way to trigonometry and high physics.
English was not one of my strong points. Have very good comprehension but spelling was my down fall.

Boy Scout of America

Top rank "Life Scout"

I was short 2 merit badges to become Eagle Scout.
Troop 406 Reedley CA

Have a Passion to stay up with technology

Microprocessors

In my free time I enjoy writing programs with Microchip processors.
Building small gadgets for my kids.
Automating controls for my green house.

PC Programs

Have written programs in Visual C++ and Visual Basic.
Calculator, Interface to Microprocessors, and database programming to organize parts at work.

Reading

Constantly reading electronic and mechanical books.

Skills

Electrical

For 14 years I have been working with electrical panels for packaging and other types of equipment.
I have been designing and building electrical panels for 10 years.
Been programming PLC for 12 years.

Mechanical

Draw and read hydraulic and pneumatic drawings.
Mechanical and assembly drawings.
Troubleshoot timing and ratio problems.

Machine Shop

Operate Vertical and Horizontal Mill
(key ways, fly cut, slot in material, and bore)
Operate Lathe
(bore sprockets, turn shafts, thread shafts, and drill parts.)

Computer

Have written many small programs in Visual Basic and some in Visual C++
Repair software and hardware problems for a challenge.
At one time I bought a book on how to build ISA I/O cards and I built myself an output card.

Circuit Boards

Repair Nordson temperature control circuit boards for several different companies in the Fresno area.
Photo etch circuit boards at my home as a hobby.

Hobbies

Aeronautics

Build and fly Ultralights
Have built remote control air planes

Classic Cars

Built a 1941 Chevy Coupe with a 427cid motor and new frame.
Working on a 1975 GMC Jimmy 4X4.

Circuit Boards

Have been building circuit boards for 12 years.
Built circuit boards using Microprocessors "Microchip"