

South Fork Technologies, Inc.
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CEO / President – South Fork Technologies, Inc. 2000 to Present

South Fork Technologies, Inc. is a steel detailing and software development company providing quality steel detailing services and software to steel fabricators competing in commercial and industrial markets. I am the author of several software products for use in steel construction and I market and sell these products at my website [southforktech.com](http://www.southforktech.com). My extensive experience in steel construction provides my clients with a detailing service that supports and assists project management with quality documentation and technical knowledge. With our detailing services, your shop will be more efficient. Your crew will have clear drawings with complete details. I follow AISC detailing practices and can customize our drawings as needed to meet your shop and documentation requirements.

We prepare our drawings using AutoCAD and custom software. Drawings are prepared using 2D and 3D computer models and our automated detailing tools. Our efficient detailing methods keep our price responsible and consistent so you can be competitive. We can transfer drawings electronically, using our website server or via email in pdf or dwg format. Drawings can be plotted on media and sent by overland carrier as well. We keep our clients fully informed of our progress during the detailing process so there are no schedule surprises.

Our expertise covers a wide range of steel construction projects. We often work in conjunction with a fabricator on bidder design projects. We are skilled at detailing all structural, miscellaneous, and ornamental steel, including stainless and aluminum, commercial buildings, industrial buildings, platforms, commercial and industrial stairs, ladders, and handrails, industrial pipe supports, ASME Tanks, nozzles, and manholes. We have experience detailing chutes, hoppers, conveyors, and augers. Our experience includes preparing shop drawings for repair and rebuilding of existing industrial equipment, where the original manufacturer is not available and the part needs to be reverse engineered and replaced by a custom steel fabricator. We have experience providing detailing services for fabricators supplying steel for mill shutdowns, where speed and perfect accuracy are critical to the success of the project. Please see our Projects Portfolio page on our website at <http://www.southforktech.com/projects.htm> for a list of completed projects.

If you would like to schedule a project with us please call us at (360) 274-0493 or send us an email at sales@southforktech.com for more information.

Engineering Manager / Network Administrator - Wayron, Inc. 1993 to 2000 (Steel Fabricator)

Designed, Installed, and Administrated a Windows NT 4.0 LAN incorporating Accounting, Sales, Engineering, and Shop Departments. Installed and Administrated the American Contractor Accounting System, Fabtrol Production Control System, Microsoft Office Pro, AutoCAD R14, Tank & Pressure Vessel Design System, and several LAN related services. Designed custom Access Databases for drawing control and customized Fabtrol reports. Developed custom AutoCAD applications for shop drawing & template preparation. Implemented a Quality Control program for engineering and shops.

My extensive experience in steel construction allowed me to provide many additional services for Wayron. They are as follows: Pre-qualify Steel Detailing and Engineering Subcontractors. Procure Steel Detailing and Engineering services. Manage detailing & engineering contracts. Process bid requests. Review estimates for completeness & accuracy. Perform Project management, Steel detailing, Shop template preparation, and checking. Provide technical expertise, troubleshooting, and problem-solving for customers and plant personnel. Determine responsibility and cost of errors. Prepare change order & back-charge documentation. Negotiate contracts, change orders, and back charges. Delegate and schedule duties for engineering personnel. Provide training and support as required for Network, CAD, Software Applications, Print Reading, and Steel Fabrication. Interview applicants for engineering positions. Evaluate engineering employees performance.

Major Projects: Weyerhaeuser Modernization Project, James River - Cogeneration Plant, BHP Steel Mill, Umatilla Chemical Weapons Demilitarization Project.

CEO / Manager - Westport Steel Detailing, Inc. 1991 to 1993

Formulated and implemented company policy. Budgeted office and sales expenses. Established and maintained sales contacts and customer relations. Performed estimating and job costing. Performed Project management, Steel Detailing and Checking services. Negotiated contracts and change orders. Developed and applied custom AutoCAD applications for steel detailing.

Major Projects: Dieshouwa Paper Mill, Intel, PDX terminal Expansion

Sole Proprietorship - 1990 - 1991

Operated a Steel Detailing business from a home office. Developed and applied custom software for steel detailing. Provided computer consulting and networking services to some of my clients. All Steel Detailing was performed on a AutoCAD Ver. 10 workstation.

Major Projects: OHSU School of Nursing, Clackamas County Corrections, Marilyn Moyer Meditation Chapel

Senior Steel Detailer / Network Administrator - Columbia Wire & Iron Works 1987 to 1990

Performed Project management, Steel Detailing, and Checking services. Installed and Administrated a Novell Network with 8 workstations. Maintained the Timberline Accounting system. Installed and Operated an AutoCAD Ver. 10 Workstation.

As the administrator of a Novell network my responsibilities were to teach users how to use the network, User menu development and management, Creating and removing users, Controlling personnel access rights, File maintenance, Network and workstation backup, Software installations and upgrades, Printer configurations, and Occasional work station relocation or upgrades.

Many of the projects I detailed were design build contracts. A typical example would be the stair systems in a high-rise office building where an architect has given the basic configuration of the stairs and landings but has not provided design details for the stair system or how it is to be supported. In a case like this I would be responsible for generating the design in the form of complete erection and shop drawings. These drawings would then be given to a consulting engineer to prepare formal design calculations. I was responsible for meeting the requirements of the Uniform Building Codes and the needs of the shop, the contractor, and the erector. Occasionally on remodel projects and concrete construction projects I went to the job site for measuring or sketching existing conditions and to investigate any possible problems with installation. I also solved problems in the field and suggested cost effective solutions. I helped estimators understand complex design details. I created alternate design details that were cheaper or easier to build to keep a project within a contractors budget.

Major Projects: Westlake Center in Seattle, Pioneer Place in Portland, Fred Meyer Distribution Center, Albertsons Distribution Center, Loyd Center Parking Garage.

CAD System Operator / Senior Structural Steel Checker - Compu-tech Detailing 1985 - 1987

Used a program called "SDS/2" (Steel Detailing System II) on a Hewlet Packard Series 200 computer and AutoCAD Ver. 2.5 to prepare shop fabrication drawings and erection drawings for structural steel buildings. Prepared projects for efficient data entry and created all the standard parts that were applied to the details. Responsible for detailing the difficult areas of the buildings and checking drawings. Designed spreadsheet programs for business management.

CAD System Developer / Programmer - Structural Graphics Inc. 1984 - 1985

Developed an AutoCAD system for designing and detailing commercial structures using Open Web Bar Joist Design. Created libraries of all sections and standard details commonly used on erection drawings as well as libraries of all structural shapes, standard drafting symbols & weld symbols used for structural steel detailing. The libraries were integrated into AutoCADs menu system. Provided a drafting service for an architect in our building using AutoCAD to draw floor plans for class "A" commercial building proposals.

Project Manager, Senior Checker - Northwest Steel Detailing 1984

Prepared projects for detailing. Composed correspondence with project engineers using my portable PC. Allocated work to personnel. Checked Erection drawings and Shop drawings.

Senior Checker, Programmer - Acculine Corporation 1979 - 1984

Managed the checking department in an office of 25 detailers. My duties included preparation and checking of erection and shop drawings for all types of structural steel. Teaching Junior detailers all aspects of steel detailing from drawing layout and proper detailing practices to interpretation of design drawings and connection design. Wrote programs on a HP-41 calculator to facilitate the detailing and checking process. Types of construction experience included: High Rise Buildings. Heavy industrial structures. Material handling systems. Plate work (ie. chutes, ducts, bins and hoppers). Platform systems including frames, grating, stairs, handrails and ladders. Power plants, Port facilities, Highway bridges and commercial construction.

Junior Detailer - Steel Detailers, Inc. 1978 - 1979

Prepared structural steel shop fabrication drawings.

Education:

School

Estacada High School, Estacada, Oregon. Graduated 1977

4 years of Drafting, Science, Mathematics and Art.

Won first place medal for Machine Drafting in Clackamas County Skill Olympics (junior year).

Won third place medal for Machine Drafting in Oregon State Skill Olympics ("VICA") (senior year).

Construction

Expert in all facets of steel construction, Extensive education through Work Experience, Steel Construction Reference Books, Technical Reference Books & Trade publications.

Mathematics

Steel Detailing & Structural Connection Design (Algebra, Geometry & Trigonometry), Number systems for Programming (Hex, Oct, Dec, Bin), Memory Addressing for Assembly Language Programming.

Operating Systems

Windows XP Pro, Windows NT 4.0 Server, Windows NT 4.0 Workstation, Windows NT 3.51 Server, Windows NT 3.51 Workstation, Windows 98, Windows 95, WFW 3.11, Windows 3.1, Novell 2.2, DOS 1.0 - 6.22, CP/M, Apple DOS

Programming Languages

HTML 4.0.....: Current webmaster of my own website. 1999-2006
Visual Basic 5 & 6.....: Application development. 1999 - 2006
Acadlisp.....: Developed AutoCAD Applications for Steel Detailing 1986 - 2006
Turbo Pascal 3.0 - 6.0.: Developed Steel Detailing Applications 1986 - 1996
HP-41C.....: Developed Steel Detailing Applications 1979 - 1996
Other Languages.....: HP-41C, HP-48, C, Fortran, 8088 Assembly, 6502 Assembly, HP-BASIC,
Microsoft BASIC, Applesoft BASIC, Integer BASIC 1978 - 1986

Software Applications

AutoCAD V1.4 - 2002, Microsoft Office XP, Fabtrol, American Contractor, Visual Basic 6.0, HTML Help workshop, Network Admin Tools, Internet Explorer 6.0, Various Programming Editors & Word processing programs, and Various Multimedia tools.

Computers

Intel based computers from 8088 to Pentium IV, HP Series 200, Apple II, HP-41C, HP-48GX, HP-49G

Personal

Date of birth: November 21, 1958
Status: Married w/ 2 children (20 & 15)
Hobbies: Boating, Fishing, Gardening, Horses, Programming, & Musical Instruments.

References:

Oregon Iron Works, Inc. - (503) 653-6300 (Patrick F. Leonard, P.E., Jon Cathey)
Olympus Technologies, Inc - (541) 689-5851 (Brian Hough, Harold Kovop)
Wayron LLC - (360) 425-8600 (Faye Dietz, Bob Brown)
Western Steel Fabrication, Inc. - (360) 575-1500 (Bob Schuening, Mike Stuart)