

# Nelson Crowle

## Software/Web-Server/Database Engineer and Architect Systems Architecture and Programming

**I create high-quality, cost-effective software solutions for network, Internet, and financial markets to bring you competitive advantage and positive bottom-line impact.**

**Experience:** I have extensive experience with:

- Operating systems: Windows (all versions), Linux, Palm OS.
- Languages: Microsoft Visual C++, Visual Basic, Java, Microsoft Office, and others
- Internet: JavaScript, PHP, Ajax, HTML, CSS, perl, MySQL, JavaScript, Python, VBScript, Sockets
- Stock Market: , Bloomberg, FlexTrade, TradingScreen, Lime Trading, FIX, Itch, Ouch, Citrius, TradeStation EasyLanguage, Worden Brothers TCNet/TC200x, eSignal, NinjaTrader
- Graphics: RenderWare RWX, trueSpace, 3-D object creation and avatar animation
- Handheld: HDML, Palm Pilot programming using CodeWarrior and GNU PRC-Tools

**Work Examples:** These links provide examples of publicly available work that I have done:

- Daytrading stock market programs and tools at [www.hamfon.com/daytrade](http://www.hamfon.com/daytrade)
- Beer rating MySQL database of about 5000 beers at [www.buildabeer.org/beerratemain.htm](http://www.buildabeer.org/beerratemain.htm)
- Javascript/PHP/MySQL/DOM beer recipe calculator at [www.buildabeer.org/beercalc.htm](http://www.buildabeer.org/beercalc.htm)
- Websites that I maintain: [BuildABeer.org](http://BuildABeer.org), [DunedinBrewersGuild.com](http://DunedinBrewersGuild.com), [Watershine.biz](http://Watershine.biz)

**Career History:** I have been programming computers since 1970. I currently do contract programming and consulting for stock market and futures traders. This work involves full life cycle product development: collecting, clarifying, and defining specifications based on the customer's needs; design and creation of charting indicators, strategies, and other tools to meet the specification; programming the product; working with the customer after delivery to address any additional requirements; and full product training and support. I started my own computer consulting company, Prototech, Inc., in 1984. Previously, I was senior programmer at [ActiveWorlds.com](http://ActiveWorlds.com) (08/1998-06/2002) which involved implementation of 3-d rendering in a virtual environment, supporting a world wide networking system of hundreds of simultaneous users, and creation of automated avatars ("Bots") for which I received several CY Awards for my groundbreaking innovations. Before that: Sprint (9 years writing telecommunications software, received a **Patent** #5,857,072), US West (3 years), Alapace (3 years).

**Education:** BA 1979: Mathematics/Computer Science - University of Colorado; Eagle Scout; Mensa.

**Goals/Expectations:** My career goals are technically oriented. I expect to further my technical skills in areas of interest, to be challenged, to be able to share my expertise, to apply my talents to real-world problems that significantly affect the company, and to provide financial security for myself and my family.

**Hobbies:** Ham radio (Amateur Extra ticket), scuba diving (Advanced Open Water), firearms, stamps, cooking, brewing beer, science fiction, model rockets, kites, photography and darkroom work, maintaining my home network (wired, 802.11n wireless, and VPN) of about ten computers.

**Contact Information:** I live on the Gulf of Mexico in Florida; [nelson@prototech.org](mailto:nelson@prototech.org). My resume is online at [www.Prototech.org](http://www.Prototech.org).