Cliff Matthews

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SKILLS/TRAITS

- good at solving problems, typically by programming, although sometimes by integrating or simply documenting
- understand low-level and high-level programming concepts, including writing code to write code
- enjoy learning, enjoy teaching, enjoy creating and using tools
- pathologically loyal; strongly self-motivated and self-disciplined

WORK HISTORY

Programmer(consultant), Jackrabbit Systems, Santa Fe, NM   11/2009 – 3/2015
- Extended Ruby software that indexes hotel (and other) rates, so it could handle tens of thousands of hotels
- Designed and implemented the core software that JRS uses to integrate with Google, Wyndham and Trip Advisor
- Helped grow team from two and a half programmers to a dozen
- Found a successor and helped him design new Ruby on Rails software to replace four legacy applications

Programmer(co-Founder), Stolen Bases LLC (subsumed by E-line Media), New York, NY   8/2006 – 5/2009
- Designed and Implemented software using Ruby and Ruby on Rails to do on-demand creation and fulfillment
- Commuted from Albuquerque to NYC (1 week in NYC per month)
- Staffed and supervised a small office of three other programmers and one graphic artist

Programmer(consultant), Planet Ace, Austin, TX   3/2001 – 10/2005
- Wrote (in Objective-C) "multibot", the first software to deal multi-table poker tournaments on the internet
- Sold multibot. It was used by PokerPages until October 2009; I added features through October 2005
- Used epoll and threading for high performance, low overhead
- Found and suggested a fix for obscure race-condition bug in GCC's Objective-C runtime

Programmer(consultant), Standard Analytics, Los Alamos, NM/Bradenton, FL   1/2003 – 1/2005
- Maintained and extended software to do real-time analysis of cash register feeds for Albertsons with > 1000 stores
- Was key member of the pilot project, and remained with SA during rollout across the nation
- C with small bit of ksh on AIX

Programmer(consultant), National Healthcare Resources, Woodbridge, NJ   3/2002 – 11/2002
- Worked on Web RePrice, a large Visual Basic app for reviewing insurance claims
- Although I programmed in Visual Basic, I also wrote a Visual Basic parser in Bison and C for static analysis

Programmer(consultant), Salomon Brothers, New York, NY   4/1989 – 10/1989
- Member of the original "Fulcrum Team" that brought UNIX to Wall Street, programmed in C
- Architected and prototyped "Zip", a "super" mail-like system that also integrated legacy systems (e.g. Quotron)
- Hand picked my successor who stayed there several years, thus assuring Zip's success

Programmer(founder), Abacus Research & Development, Albuquerque, NM   9/1986 – 2/2004
- Designed, wrote and debugged Macintosh emulation software, including clean-room reimplementation of ROMs
- I wrote in C and 680x0 assembly
- Hired amazingly talented programmers who used perl as well as a scheme-like language and x86 assembly
- Tricky stuff, good times, but I was an awful businessman

EDUCATION

University of New Mexico, Albuquerque, NM   M.S.C.S.   5/1985