

Eric S. Crosson
11010 Domain Dr Apt 11310 Austin, TX 78758
(737) 484 - 7345 · esc@ericcrosson.com · github.com/ericcrosson

Objective Leverage technical skills to increase revenue and collaborate with a knowledgeable team

Relevant Skills

- Iterative deployments of well-defined functional software
 - Emphasis on verifiability through pure functions, type theory, and property testing
 - Real-time event-driven distributed programming
 - Experience leading a diverse team of contractors and junior programmers
-

Qualifications

- 17 years experience programming, 11 professionally including 3 start-ups
 - Expertise with TypeScript, AWS, C/C++, Python, Bash, Docker, Ansible, Lisp, Ruby, Unix, git, \LaTeX
 - Familiar with go-lang, Java, Haskell, Clojure, CMake, Octave, ACL2, Promela, asm
 - Looking forward to Scala, Rust, Nix, more algebra and statistics
-

Recent Work Experience

- **Strong Roots Capital – Owner** (2018 - Today)
 - Quantitative cryptocurrency portfolio management
 - Modeling risk and opportunity with data science and machine learning
 - Fully-autonomous systematic trading platform
 - 100% TypeScript stack on AWS from ETL to order execution
 - **ShoreTel – Software Engineer** (2016 - 2018)
 - Architected next-gen embedded real-time phone firmware and developer infrastructure
 - Created custom Linux distribution for in-house hardware with yocto
 - Decoupling & refactoring of legacy code
 - **IBM – Cloud Infrastructure Engineer** (2015)
 - DevOps management of public OpenStack cloud offering
 - Collaboration with patent teams
 - **Intel – Pre and Post Silicon Validation** (2014 - 2015)
 - Created analysis engine for 3rd party DHCP RTL signals
 - **Centaur – Design Verification** (2013 - 2014)
 - Invariant-based verification of multi-core PSE-36/PAE access and caching
 - Formal verification with ACL2
-

Educational History

- **University of Texas** Bachelor of Science in Computer Architecture and Embedded Systems, May 2016