Eric S. Crosson
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Objective Leverage technical skills to increase revenue and collaborate with a knowledgeable team

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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

· Strong sense of ownership and determination to see project completion

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Qualifications

· 17 years experience programming, 11 professionally including 3 start-ups

· Expertise with TypeScript, Node.js, C/C++, Python, Docker, Ansible, Lisp, Ruby, Unix, Bash, git, LaTeX

· Familiar with AWS, Terraform, NoSQL, Haskell, Clojure, Java, golang, CMake, Octave, ACL2, Promela, asm

· Looking forward to learning more Scala, Rust, Nix, GraphQL, algebra, and statistics

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Recent Work Experience

· **Strong Roots Capital – Chief Technology Officer** (2018 - Today)

  ◦ Architected, implemented platform for research and autonomous execution of quantitative trading strategies
  ◦ Purely functional, 100% TypeScript microservice architecture on AWS from ETL to order execution
  ◦ Entirely immutable cloud with infrastructure-as-code and serverless functions

· **ShoreTel – Software Engineer** (2015 - 2018)

  ◦ Architected next-gen embedded real-time phone firmware
  ◦ Created custom Linux distribution for in-house hardware with yocto
  ◦ Maintained on-premise GitLab service and CI cluster with infrastructure-as-code
  ◦ Developed custom tooling to automate engineer workflows
  ◦ Refactored legacy codebase to decrease coupling and increase testability

· **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 Technology – 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