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, algebra, and statistics

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Recent Work Experience

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

  ○ Quantitative cryptocurrency portfolio management

  ○ Fully-autonomous systematic trading platform

  ○ 100% TypeScript microservice architecture on AWS from ETL to order execution

  ○ Entirely immutable cloud with infrastructure-as-code and serverless functions

  ○ Modeling risk and opportunity with data science and machine learning

· **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 with infrastructure-as-code

  ○ Developed custom tooling to automate engineer workflows

  ○ Refactored legacy codebase to increase decoupling and 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 3$^{\text{rd}}$ 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