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Objective Leveraging technology and data to ship scalable systems targeting compounding growth

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Related Skills

- Expertise creating composable pipelines with functional programming for rapid iterative deployments
- Creating event-driven distributed systems for real-time interaction with external services
- Emphasis on verifiability through testing, formal verification, and explicit error handling
- Experience leading a diverse team of contractors and junior programmers

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Qualifications

- 17 years experience programming, 10 professionally including 3 start-ups
- Expertise in TypeScript, C/C++, Python, Bash, Docker, Ansible, Lisp, Ruby, Unix, git, LaTeX
- Familiar with golang, Java, CMake, Octave, Haskell, ACL2, Promela, asm

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Recent Work Experience

- **Strong Roots Capital – Owner** (2018 - Today)
  - Quantitative portfolio management
  - Searching for alpha with data science and machine learning
  - Fully-autonomous systematic trade execution
- **ShoreTel – Software Engineer** (2016 - 2018)
  - Architected next-gen embedded phone firmware and developer infrastructure
  - Created custom Linux distribution for in-house hardware
  - Decoupling & refactoring of legacy code
- **IBM – Cloud Infrastructure Engineer** (2015)
  - Hosted public cloud on OpenStack
  - DevOps management of public cloud offering
  - Collaboration with patent teams
- **Intel – Pre and Post Silicon Validation** (2014 - 2015)
  - Created analysis engine for signals of 3rd party RTL
  - Integrated DHCP model tests against project RTL
- **Centaur – Design Verification** (2013 - 2014)
  - Created stochastic multi-core PSE36/PAE x86 bytecode generator
  - Formal verification with ACL2

Educational History

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