Athan Clark

Curriculum Vitæ

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Profile

Front and Back-end web application developer, software engineer, system administrator, and amature computer scientist. Proficient in complexity management, rapid development, and verified correctness. Well versed multi-paradigm developer, with deep understanding of Functional Programming.

Authored Projects

Nested Routes	Sinatra-style web application library.	nestedroutes.com
λtext	Command-line utility for general purpose templating.	ltext.github.io
Time-Map	Time-indexed map data structure.	github/timemap
Pred-Trie	Look-up tables via predicates.	hackage/pred-trie
FrankenScript	JavaScript with strong typing and partial application.	github/frankenscript
Markup	Generic programming for Html.	hackage/markup
UrlPath	URL data type, specialized for app deployment.	hackage/urlpath
WebPage	Web application scaffold, designed like WordPress.	hackage/webpage

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Programming Languages

JavaScript	jQuery, LoDash, Backbone, Browserify, Bower, Gulp
CSS	Sass / Less / CSSModules, Bootstrap, Foundation, Semantic UI
PHP	Symfony, Laravel, Composer, PEAR
Haskell	Yesod, Scotty, Snap, Nested-Routes, Lens, Pandoc, HXT

Technical Skills

Principals

Assurance	Unit and Automated Testing, Property Establishment, Absolute Correctness, Isolation, Reproducible Development - Docker, Nix
Performance	Profiling, Complexity, Asymptotic Analysis, Web Developer Tools
Availability	Browser-Bug Compensation, Backward and Forward Compatibility, Search Engine Optimization
Code Clarity	Semantic Design, Loose Coupling, Design Patterns

Past Positions

FP Complete **9/15 - 11/15**	Added a generic, yet semantically pure security system for nested-routes; simple authentication-role based declarations, with the capacity to integrate into any existing security system.
American Financing **11/14 - 1/15**	Upgraded legacy PHP and Ruby codebase to a Haskell web application - a mirror image of the previous (with improvements to the HTML), while compensating for historic URLs for SEO.
Peerless Network **11/13 - 5/14**	Developed command-line applications for Network Operations Center to maximize throughput of their help-desk.
Kifaru Outdoors **10/13 - 11/13**	Emergency web application - an iTunes clone for smart-phones, accessible from the wifi - allow control of the song playing remotely throughout the building.

References

Please contact me for references