

Athan Clark

Curriculum Vitæ

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🌐 <http://deconfigured.com>

Profile

Front-end and Back-end web developer, software engineer, system administrator and computer scientist. Focused, tactical and result-oriented - highly skilled in complexity management, rapid development and formal correctness. Well versed multi-paradigm developer, with deep understanding of Purely Functional and Object Oriented design.

Authored Projects

| | | |
|---------------|--|--|
| λtext | Command-line utility for general purpose templating. | ltext.github.io |
| Nested Routes | Sinatra-style web application library. | hackage/nested-routes |
| Pred-Trie | Look-up tables via predicates. | hackage/pred-trie |
| FrankenScript | JavaScript with strong typing and partial application. | github/frankenscript |
| WebPage | Web application scaffold, designed after WordPress. | hackage/webpage |
| Markup | Generic programming for Html. | hackage/markup |
| UrlPath | URL data type, specialized for app deployment. | hackage/urlpath |
| DAG | A type-safe, directed acyclic graph data structure. | hackage/dag |

Programming Languages

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|------------|--|
| JavaScript | AngularJS, jQuery, LoDash, Backbone, RequireJS, Bower, Grunt, Jade |
| CSS | Sass, Less, Bootstrap, Foundation, Semantic UI, Polymer |
| PHP | Symfony, Laravel, Composer, PEAR, Smarty |
| Ruby | Ruby on Rails, Sinatra, Haml |
| Haskell | Yesod, Scotty, Snap, Nested-Routes, Lens, Pandoc, HXT |

Technical Skills

Principals

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

Development

- Administration Installation, Configuration, Hardware Optimization, Troubleshooting
- Tools Make, Autotools, Gulp, Grunt, Bower, NPM, PEAR, Composer, Cabal, Git
- Distributions Ubuntu/Debian, Red Hat/Fedora, Gentoo, NixOS, FreeBSD

Past Positions

- 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

Isaac Shapira

Web Development Colleague & Student

☎ (720) 402 - 0211

Tom Smith

Colleague & Peer

☎ (605) 415 - 7837

Robert Glover

Mathematics & Programming Student

☎ (720) 272 - 3378

JayR McMahon

Employer for small Web Application

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