

Christopher T. Moultrie

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Byline A senior leader dedicated to improving tooling, observability and developer experience. Obsessed with performance, automation and getting the task done balancing technical debt and timelines.

Education B.S. in Computer Science, Georgia State University, Atlanta, GA, Fall 2010
Concentrations in Networks and Parallel Distributed Computing
GPA 3.8 in major

B.A. in Spanish, Georgia State University, Atlanta, GA, May 2007
Minor in Sociology with Concentration in Business

Experience

- Currently Developing In: Python, Golang, Terraform
- Current Frameworks/Techs: Kubernetes, Pyramid, Kombu, RabbitMQ, Postgres, Elasticsearch, Jenkins (Groovy), Drone
- Currently Learning: Rundeck, Ansible
- Previous Frameworks: Django, Angular/Misc JS Frameworks
- Previously Developed In: Javascript, Delphi, C#, C++, C, Java
- Unit Testing Frameworks Used: pytest, RSpec, unittest, Jasmine, DUnit, CppUnit, MSTest

Employment **Staff Software Engineer, SRE**, Pindrop Security, Atlanta, GA May 2014

- Designed and implemented Distributed Build Pipeline in Jenkins with 80+ services running docker builds, unit/service/system tests, and deployments to Kubernetes.
- Designed, implemented and lead implementation for multiple services and features for cloud product offering including configuration management service, tracing and observability, and elasticsearch infrastructure.
- Wrote and maintained an asynchronous Slack Chat Bot for incident management, communication, and managing routine functions in a network of AWS Lambda Functions.
- Heavily modified and contributed back, created a new deployment architecture for AWS ECS, and managed a lint tool for linting Pull Requests across all teams.
- Installed, Configured, and Maintained ELK stack for logging aggregation handling logging spikes of greater than 25k lines/s.
- Team Lead for IVR Fraud Detection Team across initial product offering (on prem) and rewrite (k8s cloud based)
- Lead DataDog integration for improved observability across all products
- Team Lead for Fraud Detection and Phone Reputation UI Products
- Team Lead for Reputation API Cloud Product
- Developed custom plugins for Logstash to enrich log data with customer names, geolocation of Phone Numbers, and other data
- Implemented improvements in Reputation API to increase availability and stability
- Developed custom, fine-grained Role and Permission management system for Rails to meet customer requirements

Senior Software Engineer, Endgame, Atlanta, GA

October 2012

- Lead internal adoption of Angular.js, Testing with Karma, Jenkins, and Bower
- Lead adoption of TDD/BDD using Karma and Jenkins CI
- Owned two separate projects, contributed to others when needed
- Implemented a live heatmap for 1.5k events per second using HTML5 Canvas
- Implemented bar graphs, pie charts, and custom components using D3.js
- Wrote a Node.js app to deliver messages from AMQP to the browser using Socket.io

Software Developer II, NCR, Alpharetta, GA November 2010 - October 2012

- Wrote and published an iPhone app to the App Store in JavaScript using Titanium Studio
- Implemented a Jenkins Server with automated builds triggered by git commits for Titanium Studio.
- Developed ASP.Net MVC app with HTML, JavaScript, Razor Script and C#
- Developed Unit Test Projects for applications in C++, C#, and Delphi.
- Developed server and client apps for movie theaters.

Open Source Contributions

- lint-review [github/markstory/lint-review](https://github.com/markstory/lint-review)
- Datadog DD-Agent [github/DataDog/dd-agent](https://github.com/DataDog/dd-agent)
- Logstash [github/elastic/logstash](https://github.com/elastic/logstash)
- logstash-filter-json [github/logstash-plugins/logstash-filter-json](https://github.com/logstash-plugins/logstash-filter-json)
- Jasmine-Node [github/mhevery/jasmine-node](https://github.com/mhevery/jasmine-node)
- Node-Jira [github/steves/node-jira](https://github.com/steves/node-jira)
- AngularFire-Seed [github/firebase/angularFire-seed](https://github.com/firebase/angularFire-seed)
- Angular-Seed [github/angular/angular-seed](https://github.com/angular/angular-seed)

Public Talks Given

- Testing the Night Away with Angular.js and Jasmine - Given at [Nation.js](https://nation.js.org/)
- Testing the Night Away with Angular.js and Jasmine - Given at [Atlanta Angular.js Meetup](https://atlanta.js.org/)
- Why JenkinsCI and Karma with Jasmine and PhantomJS will put your mind at ease [Atlanta JS Meetup](https://atlanta.js.org/)

Related Links

- Tebriel on Github - github.com/tebriel
- Personal Tech Blog - blog.frodux.in