

STEPHEN KENT

BACKEND DEVELOPER

Github

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(240) 441-4057

Education University of Maryland, College Park
B.S. Computer Engineering

Skills

Javascript	Node.js	MongoDB / Postgres
Python	Java	J2EE
Git / Subversion	OS X	Windows 7

Experience

CFPB
Backend Dev (Contract)
HMDA **Nov. 2014 - Present**

- Worked with team building a next-gen linting tool for HMDA (Home Mortgage Disclosure Act) filers.
- Tool allows users to check a proposed HMDA file for errors prior to filing.
- Helped create a business rule engine which uses flexible JSON specifications for easy versioning of rulesets by year.
- Rule engine written as a Node.js module and used in front end code via Browserify.
- Also helped create a RESTful lookup api for querying against public data (Census, etc) using Kraken.js
- Database of choice was MongoDB for performance, easy scaling, and convenient storage format (JSON)

FCC
Backend Dev (Contract)
Vizmo **Mar. 2014 - Nov. 2014**

- Created backend Python code for aggregating cellular internet performance testing results.
- Results came in JSON format and were geo binned to hexagons to be displayed as aggregates.
- Python script ran and produced daily statistics using custom map-reduce code.
- Aggregation code was run in parallel using a worker-producer model via the Python multiprocessing module.
- Database of choice was MongoDB for performance, easy scaling, and convenient storage format (JSON)
