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# Clinton Dreisbach

## Summary

I am a senior developer and development manager with more than 21 years of experience, focusing on web development and data science. In addition to working as a developer, I have spent the last three years training career-changers to become software developers.

## Skills

Expert	Python, Django, JavaScript, React, SQL
Proficient	Clojure, Perl, Flask, Ruby, CSS, API design
Competent	Machine learning, Pandas, NumPy
Beginner	L <sup>A</sup> T <sub>E</sub> X, interpreters
Want to learn	Go, compiler design

## Experience

Oct 2017 – **CTO and Lead Instructor**, *Momentum*, Durham, NC.

present Built curriculum and led instruction for a 16-week program to train career changers to become software developers using Python, Django, JavaScript, and React.

- Led instructional team, coordinating instruction across multiple phases.
- Graduated over 135 students with a 90% job placement rate.

May 2017 – **Curriculum Director**, *The Iron Yard*, Durham, NC.

Oct 2017 Directed curriculum development team of five curriculum authors.

Aug 2015 – **Software Development Manager**, *RTI International*, Durham, NC.

May 2017 Led development efforts in RTI's Center for Data Science, using Python, JavaScript, D3, and React to build dynamic web applications for data analysis.

- Developed a dashboard used to track disease at the 2015 Kumbh Mela, one of the world's largest outdoor gatherings.
- Created two open-source applications, Call for Service Analytics and Statistical Traffic Analysis Report, for assisting law enforcement with understanding 911 call data and finding evidence of racial bias in traffic stop data.

Apr 2014 – **Programming Instructor**, *The Iron Yard*, Durham, NC.

Aug 2015 I taught intensive 12-week courses in Python and data science to beginning programmers, equipping them with the knowledge and tools they needed to succeed in their careers.

- Created a Python and data science curriculum.
- Developed a Ruby and Rails curriculum.
- Placed students with companies such as Red Hat, Intuit, and Automated Insights.

Nov 2012 – **Technology Fellow**, *Consumer Financial Protection Bureau*, Washington, DC.

Apr 2014 Built systems to help American consumers and to improve government.

- Designed and created Qu, a data platform used to serve public datasets. Qu is capable of streaming datasets of arbitrary length, ingesting and manipulating datasets based off definition files, and batch processing map-reduce jobs on that data. Qu is powered by Clojure and MongoDB.
- Coordinated a major effort to open source over a dozen projects.
- Helped organize an internal testing mini-conference aimed at increasing testing on CFPB projects. Within a year, all projects were using continuous integration and had comprehensive test suites.

Aug 2011 – **Software Developer**, *Relevance (now Cognitect)*, Durham, NC.

Nov 2012 Designed, created, and improved large software systems in Ruby and Clojure. Created Diametric, a Ruby ActiveRecord-compliant interface to the Datomic database.

Aug 2007 – **Development Director**, *Viget Labs*, Durham, NC.

Mar 2011 Led Durham, NC and Washington, DC based development teams. Worked as lead developer on Ruby on Rails projects for established businesses and startup clients.

Sep 2005 – **Senior Developer**, *Lulu.com*, Morrisville, NC.

Jul 2007 Led development team for community features at this startup, meeting the needs of hundreds of thousands of users.

July 2003 – **Development Manager**, *ShowMaster Systems*, New Orleans, LA.

Aug 2005 Managed department of developers and information analysts and oversaw the administration of multi-million dollar trade shows.

Oct 1999 – **Contractor**, Washington, DC and Seattle, WA.

July 2003 Worked as a contractor, using Perl and PHP, for organizations such as Boeing, Real Networks, AT&T Wireless, and various government agencies.

Oct 1995 – **Signals intelligence analyst**, *US Army*.

Oct 1999 Analyzed electronic communications for patterns to convey intelligence about foreign military actions. Created software in Tcl and Perl to assist in analysis.