

# ROCKY GRAY

## Software Engineering Tech Leader

Washington D.C Metro Area  
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## EXPERIENCE

### Senior Software Engineering Manager

#### Capital One

Apr 2018 – Ongoing

McLean, VA

Tech lead and people leader for an API platform serving internal and external clients.

- Managed 2 teams using Capital One's leadership framework to include, empower, and inspire direct reports
- Designed and led the implementation or critical projects for the platform: **dual-region architecture, asynchronous virus scanning, object-level encryption**
- Won a Technical Excellence award for the platform's growth, innovative technical design, and reliability
- Top performing interviewer for college and professional engineers conducting behavioral and technical interviews
- Member of the leadership team supporting 5 teams in the organization
- Primary and co-inventor on patents derived from the platform's designs

NodeJS

Go

Java

Kubernetes

Aurora MySQL

Cassandra

Terraform

CloudFormation

Ansible

### Lead Software Engineer

#### Storyblocks

Dec 2014 – Mar 2018

Arlington, VA

Tech lead of the Strategic Technologies team which provided engineering platforms and tools, maintained cloud infrastructure, built data pipeline, and developed enterprise products while providing thought leadership for the engineering organization.

- Designed and implemented the migration of our infrastructure from a set of managed servers to AWS with Docker
- Designed and implemented an events pipeline to track KPIs for our business. The pipeline consisted of a PHP events framework, Kinesis Firehose, NodeJS Lambda function, and a Redshift data lake
- Established and maintained an enterprise grade API and corporate products in a new business unit that generated over \$1M in new revenue for the company
- Led teams through coaching and development; represented engineers in cross-calibration sessions and provided semi-annual performance feedback

PHP

NodeJS

Scala

Docker

MySQL and Postgres

MongoDB

CloudFormation

Ansible

Data Engineering

### Software Engineer

#### Capital One

Jul 2012 – Dec 2014

Vienna, VA

Java

Ab Initio

### Co-founder and CTO

#### FlashCrystal

Jun 2012 – Ongoing

Nashville, TN

## LIFE PHILOSOPHY

*"Never give up."*

## MOST PROUD OF



#### People leadership

Inclusive and empowering tech leader



#### Achievements

Patents and tech excellence awards



#### Tech organization growth

Contributed to organizational growth at Storyblocks and Capital One

## STRENGTHS

System Design

Technical mentorship

Leadership

Infrastructure management

Application Architecture

APIs

Automation

Getting stuff done

## LANGUAGES

Javascript

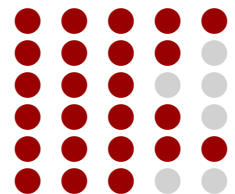
Go

Java

PHP

Shell

Python, Ruby, scripting



## EDUCATION

B.E. in Computer Engineering

**Vanderbilt University**

May 2012

## CERTIFICATIONS



**Solutions Architect Associates**

Jan 2019: EET55E012B1QQC5L



**Certified Secure Software Engineer**

Associate

March 2020

## PATENTS



**Finite state machine driven workflows**

Nov. 12 2019: US10474506B1