

ROCKY GRAY

Software Engineering Tech Leader

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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

aws Solutions Architect Associates
Jan 2019: EET55E012B1QQC5L

Certified Secure Software Engineer Associate
March 2020

PATENTS

Finite state machine driven workflows
Nov. 12 2019: US10474506B1