

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 of 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

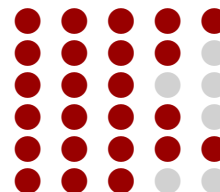
Go

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