ROCKY GRAY

Software Engineering Tech Leader

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EXPERIENCE

Engineering Manager
Twitter

📅 Nov 2020 – present   📍 Remote — San Franscisco, CA

Managing teams of talented engineers building the next generation of revenue APIs and data access layers.

Leadership

Senior Software Engineering Manager
Capital One

📅 Apr 2018 – October 2020   📍 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   Cloud Infrastructure
API Platform   Leadership

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   Postgres   MongoDB
CloudFormation   Ansible   Data Engineering   API Platform
Cloud Infrastructure   Leadership

Software Engineer
Capital One

📅 Jul 2012 – Dec 2014   📍 Vienna, VA

A software engineer in the Technology Development Program (TDP) with roles in Enterprise Data Services and the Enterprise API Platform.

API   Java   Data Engineering   Ab Initio

Co-founder and CTO
FlashCrystal

📅 Jun 2012 – present   📍 Nashville, TN

Head of engineering. Built the foundations of the platform and oversees active development.

Leadership   PHP   NodeJS   Cloud Infrastructure

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 Stroyblocks 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