ROCKY GRAY

Software Engineering Leader

Washington D.C Metro Area @RockvGJr in grocky

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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-
- 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 Java Kubernetes Aurora MySQL Cassandra Ansible Terraform CloudFormation 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 MongoDB Postgres 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.

PHP Leadership 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

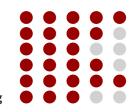
Javascript

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

US Patent US10474506B1

"Finite state machine driven workflows," Nov. 12 2019

US Patent US10997611B2

"Distribution of media with tracking and analysis of media usage for royalty, loyalty and collection of metadata," May. 4 2021



US Patent US20210119986A1

"Time-based token trust depreciation," Pending Oct. 16 2019