ROCKY GRAY

Software Engineering Leader

Washington D.C Metro Area

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EXPERIENCE

Engineering Manager

Cash App

Feb 2023 - present

Remote — San Franscisco, CA

I am an engineering leader on a global team providing core infrastructure for money movements. I am accountable for the real-time distributed ledger that tracks all financial transactions within the Cash ecosystem.

Leadership API Platform Data Engineering

Engineering Manager

Twitter

■ Nov 2020 - Nov 2022

Remote — San Franscisco, CA

Led globally distributed teams building platforms that provide Rest, GraphQL, and RPC interfaces for core ads data.

- Grew a team of 5 engineers supporting two platforms to an org of 15 with two teams: Ads API and Data Service
- Promoted ICs at each from L4 (SWE I) to L7 (Staff) and an IC to an EM
- Defined a multi-year roadmap to increase the internal development velocity of ads products
- Led the cross-functional implementation of an architectural design pattern to parallelize web product experimentation and API product design

API Platform Data Engineering Scala Leadership GraphQL

Senior Software Engineering Manager

Capital One

■ Apr 2018 − October 2020

McLean, VA

Tech lead and people leader for the Focus platform that enabled secure, scalable storage of customer documents and programatic integration with third parties.

- Managed 2 teams that focused on the core APIs and the SRE/operations for the platform.
- 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 Kubernetes Aurora MySQL Cassandra Java CloudFormation **API Platform** Terraform Ansible AWS OpenAPI **Data Engineering** 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
- Led teams through coaching and development; represented engineers in cross-calibration sessions and provided semi-annual performance feedback

NodeJS PHP Scala React Angular Python MySQL **Postgres** MongoDB CloudFormation Docker Ansible **Data Engineering API Platform** OpenAPI **AWS** Leadership

Software Engineer

Capital One

i Jul 2012 - Dec 2014

Vienna, VA

A full-stack engineer developing some of the first REST APIs for credit card resources and helped build the API Developer Portal the banking industry's first public APIs.

Java OpenAPI Data Engineering

Co-founder and CTO

FlashCrystal

■ Jun 2012 – present

Nashville, TN

Built the platform for digital media distribution using NFC and web

technologies. Cloud Infrastructure Leadership PHP NodeJS **NFC**

LIFE PHILOSOPHY

"Never give up."

MOST PROUD OF

People leadership

Leading globally distributed teams through both tranquil and chaotic times.

Achievements

Patents and tech excellence awards

Tech organization growth

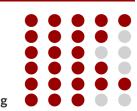
Contributed to organizational growth at Stroyblocks, Capital One, and Twit-

STRENGTHS

System Design Technical mentorship Infrastructure management Leadership **Application Architecture** APIs Automation

LANGUAGES

Javascript Go Java **PHP** Shell Python, Ruby, scripting



EDUCATION

B.E. in Computer Engineering Vanderbilt University

CERTIFICATIONS

Solutions Architect Associate 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 US11171945B2

"Time-based token trust depreciation," Nov. 9 2021

US Patent US11113678B2

"Systems configured to manage userrelated external party-activity software objects by using machine-readable indicia and methods of use thereof," Sept. 7 2021