

# ROCKY GRAY

Software Engineering Leader

 Washington D.C Metro Area

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## EXPERIENCE

### Engineering Manager

Reddit

 Dec 2024 — Oct 2025

 Remote — San Francisco, CA

- **Led the Ads API Platform and Business Engineering teams**, driving partner integrations, platform reliability, and cross-functional delivery to unlock new revenue opportunities.
- **Rate Limit Redesign**: Coordinated Reddit's first private beta launch for a platform project by aligning with external partners and 20+ internal teams to define and implement upstream system policies.
- **MCP Server Implementation**: Guided the team that built the first MCP server in the Ads organization, which earned top recognition at Reddit's company-wide hackathon. Established myself as a subject matter expert (SME) in MCP design and implementation.

Leadership

API Platform

Data Engineering

Go

Python

OpenAPI

### Engineering Manager

Cash App

 Feb 2023 — Aug 2024

 Remote — San Francisco, CA

- Accountable for the **real-time distributed ledger** that tracks all financial transactions within the Cash App ecosystem.
- Directed teams across **core infrastructure for money movement**, balancing reliability with innovation.
- Mentored engineers and established strong **system design practices**, helping scale the platform for growth and resilience.

Leadership

API Platform

Data Engineering

Java

### Engineering Manager

Twitter

 Nov 2020 — Nov 2022

 Remote — San Francisco, CA

- **Scaled global Ads API Data Service teams** from 5 to 15 engineers, creating two specialized groups.
- Promoted multiple engineers (ICs to Staff and one to EM), demonstrating strong people development and leadership.
- Defined a **multi-year roadmap** to improve API development velocity and cross-functional delivery.
- Drove adoption of an **architectural pattern** enabling parallel product experimentation, accelerating both ads and API innovation.

Leadership

API Platform

Data Engineering

Scala

Java

GraphQL

OpenAPI

### Senior Software Engineering Manager

Capital One

 Apr 2018 — October 2020

 McLean, VA

- Tech lead and people leader for the Focus platform, enabling secure, scalable document storage and third-party integrations.
- Delivered **dual-region architecture, asynchronous virus scanning, and object-level encryption** to strengthen resiliency.
- Won a **Technical Excellence Award** for innovation, reliability, and platform growth.
- Co-inventor on multiple patents derived from platform designs.

NodeJS

Go

Java

Kubernetes

Aurora MySQL

Cassandra

Terraform

CloudFormation

Ansible

AWS

API Platform

OpenAPI

Data Engineering

Leadership

### Lead Software Engineer

Storyblocks

 Dec 2014 — Mar 2018

 Arlington, VA

- Tech lead of Strategic Technologies team, providing **platforms, cloud infrastructure, data pipelines, and enterprise APIs**.
- Led AWS migration, event-driven KPI pipeline, and established enterprise APIs that generated \$1M+ new revenue.
- Advocated for engineers, provided mentorship, and supported organizational growth.

PHP

NodeJS

Scala

React

Angular

Python

Ruby

Docker

MySQL

Postgres

MongoDB

CloudFormation

Ansible

Data Engineering

API Platform

OpenAPI

AWS

Leadership

### Software Engineer

Capital One

 Jul 2012 — Dec 2014

 Vienna, VA

- Built first **REST APIs for credit card resources** and co-developed the **API Developer Portal**—banking's first public APIs.

API

Java





OpenAPI

Data Engineering

## LIFE PHILOSOPHY

“Never give up.”



## STRENGHTS

- **System Design & Architecture**  
Large-scale distributed systems, platform design
- **Leadership**  
Building, mentoring, and scaling high-performing teams
- **Platforms & APIs**  
Ads APIs, ledgers, financial systems, enterprise integrations
- **Execution**  
Driving corss-functional alignment, delivering impact





## 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 user-related external party-activity software objects by using machine-readable indicia and methods of use thereof,” Sept. 7 2021