Rocky Gray Jr.

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April 2018 – Present   **Capital One**   **Tyson's Corner, VA**

Sr. Manager, Software Engineering

Tech lead and people leader for the core platform of a brand new product being built from the ground up. At the heart of our platform is a suite of microservices that power an API for our expanding list of internal and external clients. The tech stack includes Go, NodeJS, and Java applications running on Kubernetes with an Aurora MySQL database in a multi-region AWS environment.

- Managed 2 teams using Capital One's leadership framework to include, empower, and inspire direct reports.
- Top performing interviewer for college and professional engineers conducting behavioral and job fit interviews.
- Member of the leadership team supporting 5 teams in the organization.
- Designed and led the implementation critical projects for the platform:
    - Multi-region replication of S3 and Aurora data allowing for a highly available, resilient application and data layer.
    - Asynchronous virus scanning of binary assets.
    - Object level encryption of binary assets.
- Primary inventor on patents derived from our finite state machine driven API.

December 2014 – March 2018   **Storyblocks**   **Arlington, VA**

Lead Software Engineer

Tech lead of the Strategic Technologies team which provided engineering platforms and tools, maintains cloud infrastructure, builds data pipelines, and develops and maintains enterprise products while providing thought leadership for the engineering organization.

- Co-designed and implemented the migration of our infrastructure from a set of managed servers to AWS with Docker to allow the agility to quickly innovate and provided fine-grained control of our deployment pipeline.
- Designed and implemented an events pipeline to track key performance indicators for our business. The pipeline consisted of a PHP events framework, Kinesis Firehose, NodeJs Lambda function, and a Redshift data lake.
- Implemented features in our core products that have a diverse front-end echo system implemented in Bootstrap, Angular, and React. Back-end applications are implemented in PHP and NodeJs with a MYSQL, Postgres, or MongoDB backend.
- 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. Worked with product managers and sales team to craft new features and products. Serve as a technical consultant on sales calls with customers to design solutions and troubleshoot technical problems.
- Led teams through coaching and development; represented engineers in cross-calibration sessions and provided semi-annual performance feedback.

May 2012 – Present   **Rocky Gray Consulting**   **Home**

Software Engineer

Owner of a small business developing software solutions for small to medium sized businesses. Some examples include:

- Co-founder of Crystal Innovations. Designed and developed the core platform for flashcrystal.com, a digital media distribution company.
- Backend Engineer for EdFunder, a FinTech company for educational institutions.

July 2012 – November 2014   **Capital One**   **Richmond and Vienna, VA**

Software Engineer

Member of the Enterprise API platform team that led the adoption of RESTful APIs by implementing frameworks and processes to ease developer workflows and provide guidance to RESTful API design and implementation.

- Designed and implemented SOAP and RESTful middleware using an internal framework built on Jersey and Spring.
- Built a platform that provided a sandbox that allowed teams to deploy APIs which can be used by the enterprise through Swagger UI and development testing.

EDUCATION

Vanderbilt University   B.E., Computer Engineering and Engineering Management   **May 2012**