

Ryan Coughlin

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SKILLS

- **Programming Languages:** JavaScript, TypeScript, HTML & CSS, Java, Kotlin, Python
- **Other Technologies:** React, Angular, Next.js, Node.js, Spring, MongoDB, Git, Docker, AWS, Azure
- **Foreign Languages:** Chinese – *Advanced Proficiency*

EXPERIENCE

The Washington Post – Senior Software Engineer – *Washington, D.C.* March 2020 – Present

- Maintained and developed full-stack features for in-house audiovisual CMS applications
- Architected system that provides either AI-generated or human-read audio narration to all articles
- Authored React component library that serves as the foundation for audiovisual experiences sitewide
- Migrated the Post's user-facing video pages off a legacy JSP platform to React with Next.js
- Conducted a total front-end rewrite of the in-house audio CMS, from AngularJS to React
- Led migration of audio and video infrastructure into a new team-specific AWS account, employing Infrastructure as Code via CloudFormation to better control provisioning of resources
- Represented team in collaborative efforts with other departments (including advertising, analytics, native apps, and subscriptions) in order to further integrate audiovisual storytelling into digital ecosystem

Sila Solutions Group – Software Engineer, Cybersecurity – *Rosslyn, VA* July 2018 – February 2020

- Engineered scalable Identity & Access Management (IAM) solutions for several clients
- Developed an integration testing framework for IdentityIQ using Java, TestNG, and Docker
- Created a versatile monitoring and metrics solution for IdentityIQ that integrates with various databases (InfluxDB, MySQL, Oracle) and visualization tools (Grafana, Qlik, Tableau)
- Implemented CI/CD pipelines for multiple projects using various DevOps tools

AWARDS

Washington Post 2k23 Hackathon Winner – *2nd Place* March 2023

- Developed a tool to generate "Instagram Stories"-like experiences from Washington Post articles
- Leveraged ChatGPT to summarize article sections and extract keywords for image search
- Implemented a WYSIWYG editor for changing text and images in order to maintain editorial control

Washington Post 2k22 Hackathon Winner – *1st Place* July 2022

- Developed a redesigned, cross-platform version of the Washington Post mobile app using React Native
- Implemented a homepage feed with standardized content cards, convenient calls to actions, and other modern design elements borrowed from social media apps in order to reach younger audiences

Sila Rock Star Award – *Recipient* Q2 2019

- Given to one individual in the Arlington office who was a "rock star" during the previous quarter
- Awarded for going above and beyond in contributions to internal development and enablement efforts

EDUCATION

University of Virginia – *Charlottesville, VA* August 2014 – May 2018

- B.A. in Computer Science – GPA: 3.59/4.00