

SUMMARY

Full Stack Developer knowledgeable in designing, developing, and debugging web applications. Experienced in Node, React, databases, and AWS. Supported the CNN Newsource service and the Cartoon Network website, writing services used by thousands of users per day. Accustomed to working in a close team and agile environment, including working directly with QA.

LINKS

Github:// **ColCross**
LinkedIn:// **ColtenCross**

EDUCATION

GEORGIA STATE UNIVERSITY
May 2017 | Atlanta, GA
BS IN PHYSICS
Comp Sci concentration
Cum. GPA: 3.47 / 4.0

COURSEWORK

Software Engineering
Web Development
Data Structures
System-Level Programming
Math Models of Comp Sci

SECURITY CLEARANCE

DoD SECRET - INACTIVE

LANGUAGES

English - Fluent
German - Elementary

INTERESTS

React Native
ElectronJS
Physics
Travel

SKILLS

PROGRAMMING LANGUAGES

NodeJS • JS • HTML/CSS • Git • C#

FRAMEWORKS

ReactJS • Redux • Sagas • Serverless • RabbitMQ • ASP.NET

CLOUD SERVICES

AWS - Lambda, SNS, S3, Parameter Store

STORAGE

PostgreSQL • MongoDB • Elasticsearch • DynamoDB • Solr

WORK EXPERIENCE

CNN | ADVANCED SOFTWARE DEVELOPER

Jan 2018 – Present | Atlanta, GA

- Actively supporting the CNN Newsource service developing front end features in ReactJS with saga middleware, and back end infrastructure with NodeJS, MongoDB, and PostgreSQL.
- Implementing front end features in React for an embeddable video player for the Video Affiliate Network (VAN).
- Writing cloud native services through AWS Lambda and the Serverless framework for distributed data processing using Node, SNS, DynamoDB, and RabbitMQ.
- Designing features and requirements alongside technical and functional team members, including architecture and testing strategies.
- Working directly with QA to find and resolve defects in features.
- Employing full Agile methodologies through daily scrums, N+1's, grooming sessions, sprint retros, and Rally.
- Developed minor features using ASP.NET, C#, and Solr for the Resource application.

CARTOON NETWORK | WEB DEVELOPER INTERN

Aug 2017 – Dec 2017 | Atlanta, GA

- Used JavaScript and jQuery to convert Cartoon Network website login and registration functionality to a new internal system and API.
- Collaborated with designers to implement front-end redesign for registration, login and profile pages using HTML5/CSS3.
- Performed dev ops tasks such as updating misc pages, forms, and adding games.

NOTABLE CONTRIBUTIONS

VAN INGESTION PIPELINE | CNN Newsource

Rebuilt the legacy VAN Video ingestion pipeline, including determining requirements and designing architecture. Transitioned Batchfeed from a serial processing ASP.NET application to a cloud native and fault tolerant parallel processing system. Reduced processing time of videos from about 30 mins to 5 mins. Wrote a custom concurrency limited data migration script to bring legacy videos into the new system.

VAN VIDEO PLAYER | CNN Newsource

Built several front end components, namely loading animations, custom overlays, and a dynamic tooltip that constantly adjusts based on the parent page. Minimal libraries were used in order to keep player file size small and quick to load.