

# Brandon Cooke

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## EDUCATION

### GEORGIA TECH

#### MS IN COMPUTER SCIENCE

Expected Dec 2020 | Atlanta, GA

### KENNESAW STATE

#### BS IN COMPUTER SCIENCE

May 2014 | Kennesaw, GA

Cum. GPA: 3.44 / 4.0

### SEQUOYAH HIGH SCHOOL

Grad. May 2009 | Canton, GA

## LINKS

Github:// [BrandonCookeDev](https://github.com/BrandonCookeDev)

LinkedIn:// [BrandonCookeDev](https://www.linkedin.com/in/BrandonCookeDev)

## COURSEWORK

### GRADUATE

Advance Operating Systems

Intro to Info Security

Software Development Process

Advanced Data Communication

Advanced Network Security

Knowledge Based AI

### UNDERGRADUATE

Concepts of Programming Languages

Programming in Linux and C

Computer Architecture

Operating Systems

Distributed Systems

## SKILLS

### PROGRAMMING

Languages:

NodeJS • TypeScript • Python

C# • Java • PowerShell • SQL

C • C++ • Bash • ReactJS

DevOps:

Docker • Azure DevOps

Terraform • AWS Cloudformation

Ansible • Github Actions

AWS:

ECS • Lambda • DynamoDB

EMR • S3 • CloudWatch

Elastic Beanstalk • ElastiCache

SNS/SQS • Route53 • Kinesis

Application Load Balancing

Other:

Redux • HIVE • PHP

Flask • Express • OpenCV

## EXPERIENCE

### RESICAP | LEAD DEVOPS ENGINEER

March 2019 - Present | Atlanta, Georgia

- Architected and built RESICAP's Cloud API and FaaS-driven systems via ECS, Lambda, Aurora, S3, and EB.
- Created standard Dockerization process for applications.
- Spearheaded creation of CICD Build and Release pipelines, documentation, variable libraries, and custom scripts and tasks in Azure DevOps.
- Created custom Infrastructure as Code using the AWS CDK and TypeScript.
- Implemented .NET XUnit unit tests to cover previously uncovered applications, and put in place automated testing steps in CICD pipelines.
- Created .NET Core libraries for dev team to expedite common DevOps code added to all projects in RESICAP

### ENGAGE.CX | SENIOR DEVELOPER

February 2017 - March 2019 | Atlanta, Georgia

- Created an analytics aggregating program using AWS EMR, Athena, Lambda, Hadoop, HIVE, Sqoop, and NodeJS saving roughly 100% in ETL costs.
- Crafted a sophisticated Wifi-Authentication Splash screen that aggregates user data for personal identification. Created with Node, DynamoDB, and S3.
- Overhauled a Presence Detecting component of CX's platform using Node, S3, Lambda, Redis, DynamoDB, Kinesis, and Elastic Beanstalk.
- Created a location identifying, loyalty tracking Cisco Webex chatbot leveraging NodeJS with our core software platform.
- Used Node and MySQL and AWS Cloudformation to maximize the efficiency of CX's deployment strategy.
- Created multiple ResponSys integration scripts using NodeJS and EC2.

### AT&T | SPECIALIST APPLICATIONS DEVELOPER

June 2014 - February 2017 | Atlanta, Georgia

- Acted as Lead Developer for R3's DOME .NET web service, a tool used to provide and display data for multiple departments inside AT&T. Implemented C#, MSSQL, and Kapow Screen Scraping.
- Enhanced R3's PVC Disconnect tool using NodeJS and MongoDB.
- Utilized JavaScript to enhance PAL-ABS automated Router config generator.
- Created an Angular, Jersey, MySQL webapp that enabled Flex Force leadership to track employee individual contributions.
- Acted as a mentor to a group of 4 interns during Summer 2016.

### TRAVELPORT | SOFTWARE DEVELOPER INTERN

May 2013 - May 2014 | Atlanta, Georgia

## PROJECTS

### SCHOOL AND PERSONAL | Atlanta, Georgia

- Lead a development team employing Docker, Docker-Compose, Python, Flask, MySQL, and Bootstrap to construct "CorkBoardIt!", a small, Pinterest type fullstack website.
- Used TypeScript to create **smashgg.js**, a comprehensive NodeJS SDK for **Smash.GG's** public API.
- Used Python, AngularJS, and MongoDB to construct an automated esports ranking app, **NotGarPR**.
- Used Python and OpenCV to construct a pattern matching AI program.