Brandon Cooke

http://github.com/BrandonCookeDev | BrandonCookeDev@gmail.com

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**
LinkedIn:// **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
Over 5000 lines:
NodeJS • TypeScript • Python
C# • Java • PowerShell • SQL
Over 1000 lines:
C • C++ • Bash
ReactJS • AngularJS • JQuery
DevOps:
Docker • Azure DevOps • Terraform
Ansible • AWS Cloudformation
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, Pintrest 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.