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**
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 • Python • C# • Java • SQL
JavaScript • PowerShell
Over 1000 lines:
C • ReactJS • AngularJS • JQuery
Batch • Bash • TypeScript
AWS:
Lam bda • DynamoDB • API Gateway
Cloudformation • EMR • S3
Elastic Beanstalk • Redis • Kinesis
Familiar:
PHP • C++ • Android • VueJS
Django • VBScript • HIVE
Other:
Docker • MEAN • Firebase • git/svn
Wireshark • Fiddler • JMeter
Maven • Mininet SDN • OpenCV
WCF.NET • ASMX.NET
Spring • Flask • Jersey • Express

EXPERIENCE

ENGAGE.CX | Senior Developer
February 2017 - Present | Atlanta, Georgia
- Created an analytics aggregating program using AWS EMR, Athena, Lambda, Hadoop, HIVE, Sqoop, and NodeJS saving roughly 1000% 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.
- Created data analytics POCs using AWS EMR with MapReduce and HIVE.

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.
- Enhanced AT&T's key POS app, OPUS, using Java, Maven, and Struts MVC.
- Created an Agular, Jersey, MySQL webapp that enabled Flex Force leadership to track employee individual contributions.
- Participated in CELL classes to learn Big Data, SDN, and AngularJS.
- Acted as a mentor to a group of 4 interns during Summer 2016.
- Ideated and pitched "It Can Wait: Incentivised Program" to a Senior Executive.

TRAVELPORT | Software Developer Intern
May 2013 – May 2014 | Atlanta, Georgia
- Constructed automation script to enhance Travelport's SCM process deploy and fallback multiple applications concurrently using MS Powershell, JavaScript, VBScript, and BATCH.
- Enabled critical data communication between Enterprise Architecture and Sparx System Enterprise Architecture app using C# and WCF.
- Enhanced Travelport's Universal Desktop with plugins using C#, WPF, and MVVM.

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.
- Created **smashgg.js**, a comprehensive NodeJS SDK for **Smash.GG's** public API.
- Used Python, AngularJS, and MongoDB to create an automated tournament-participant ranking app, **NotGarPR**.
- Used Python and OpenCV to construct a pattern matching AI program.
- Used C to create OS components such as a CPU scheduler and multilevel cache.
- Aided in the coding and creation of **Tastes Like Chicken**, a lightweight restaurant discovery and rating applicaiton using Java for Android.