Charles Henry Armentrout V

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Professional Experience

SignalPath / Verily
SENIOR ENGINEER
Raleigh, NC
Feb 2021 – Present
- Authored multiple architecture solutions for a greenfield financial ledger service to replace a legacy system and provide significant performance increases and new features.
- Performed interviews and mentored junior developers as they got up to speed on our technologies and systems
- Worked as part of an on-call team to rapidly respond to production issues if needed
- Scala, SQL, Slick, Finatra, Doobie

The McClatchy Company
LEAD ENGINEER
Raleigh, NC
Feb 2020 – Jan 2021
- Lead a team of remote engineers to update and modernize an ETL system for serverless architecture.
- Helped lead company technical strategy toward a less human resource intensive solution
- Cut infrastructure costs significantly by redesigning serverless strategy
- Python, S3, Lmabda, Glue, SQS

Credit Suisse
AUTOMATION ARCHITECT
Durham, NC
Nov 2019 – Feb 2020
- Contracted to design an automation solution for security response workflows
- Python, Flask

Cisco Systems
SOFTWARE ENGINEER / SENIOR ENGINEER
Durham, NC
Jan 2017 – Nov 2019
- Engineer backend systems for network test automation application
- Design and implement system for performing network tests remotely
- Design and maintain application API through multiple versions and changes
- Python, Flask, Robot, TextFSM, Docker, K8S

Deloitte
SOFTWARE ENGINEER
Morrisville, NC
Jun 2014 – Jan 2017
- Maintained legacy python systems
- Refactored legacy systems into a microservice architecture
- Built tooling for service discovery and communication
- Python, SQL, Flask

Education

Appalachian State University
BS IN FINANCE AND BANKING | RISK MANAGEMENT
Boone, NC
2008 – 2012

Projects

Ledger
Scala, Slick, SQL

SOURCE OF TRUTH FOR ACCOUNTING SYSTEM. LISTENS TO PIPELINES FROM MULTIPLE SERVICES, CONSTANTLY COMPARING EVENTS AGAINST STATE TO DETERMINE COSTS / CHARGES ASSOCIATED WITH VARIOUS BUSINESS ACTIVITY. HIGH TRAFFIC, NO TOLERANCE FOR ERROR, CONSTANT AVAILABILITY.

CXTM
Python, Flask, SQL, SQLAlchemy, Robot, TextFSM

SYSTEM FOR TRACKING NETWORK TEST PLANS, EXECUTION HISTORY, AND THE ACTUAL EXECUTION OF THOSE TESTS ON REMOTE DEVICES. REST API AND ALL BACKEND BUSINESS LOGIC.