

# Charles Henry Armentrout V

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## Present Address

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## Permanent Address

114 East Keeling Rd  
Greensboro, NC 27410

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## Career Profile

Passionate, lead software engineer who undertakes complex projects utilizing knowledge of Python, Docker, Bash, JavaScript, etc. Possesses practical experience in Linux installation, maintenance, and configuration as well as server-less architectures. Has experience with database administration and schema design, as well as application containerization and horizontal scaling applications. Also possesses strong interpersonal skills for successful team work and collaboration. Thrives in a fast-paced environment and actively seeks innovative and adaptable solutions to technological issues.

## Professional Experience

**Software Team Lead**, The McClatchy Company, Raleigh NC Feb 2020-Present

- Manage and lead a team of remote engineers
- Architect and implement solutions for enterprise ETL processing

**Senior Automation Architect**, Credit Suisse, Durham, NC Nov 2019-Feb 2020

- Design and implement automation solutions for security response workflows.

**Senior Software Engineer**, Cisco Systems, Durham, NC Jan 2017-Nov 2019

- Architect database schema for web application backend
- Architect and implement REST API for web-to-backend communication in Flask
- Design and implement Network Devices testing platform in python
- Automate deployment of multiple applications with Docker and Docker-Compose
- Debug and Maintain Kubernetes-based application infrastructure
- Advocate and eventually implement Agile development process practices

**Software Engineer**, Deloitte, Morrisville, NC Jul 2014-Jan 2017

- Lead maintenance of legacy system.
- Implement infrastructure and orchestration of API based parallel service container platform using Docker, Apache Zookeeper, NGINX, Vagrant, and Cassandra DB.
- Develop and maintain full-stack web-facing applications utilizing a python backend.

**Software Developer**, ICF International, Martinsville, VA Dec 2013-Jul 2014

- Contribute to various applications in C#
- Integrate applications with MS SQL Server, SharePoint, and other services
- Consolidate information from multiple services and applications in C# and Python
- Create custom web forms using JavaScript, HTML5, and ASP .NET with C#
- Design database schema to support projects and applications
- Automate previously manual reporting processes

**Analyst**, Supplemental Software Solutions, Greensboro, NC Sep 2012-Dec 2013

## Education

**Appalachian State University**, Boone, NC May 2012

- B.S. Finance and Banking
- B.S. Risk Management and Insurance

## Computer Skills

Languages: Python, Go, Bash, JavaScript, HTML5, Haskell, C#, VBA Script, Batch, Perl, SQL, CQL,  $\text{\LaTeX}$

Frameworks/Systems: Flask, Docker, Docker-Compose, K8s, AWS (S3, Lambda, EC2, Glue, Cloudformation, Cloudwatch), Git, Ansible, Jenkins, NGINX