

Charles Henry Armentrout V

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Present Address

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Permanent Address

114 East Keeling Rd
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Career Profile

Passionate programmer who undertakes complex projects utilizing knowledge of Python, Docker, Bash, JavaScript, etc. Possesses practical experience in Linux installation, maintenance, and configuration, database design and integration, deployment and containerization, and 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

Senior Software Engineer, Cisco Systems, Durham, NC Jan 2017-Present

- 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

- Design and implement software solutions to fill business needs based on business logic specifications.
- 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

- Architect and write applications in C#
- Integrate applications with MS SQL Server, SharePoint, and other services
- Use API services, HTTP requests, and TCP connections to consolidate information from multiple services and applications in C# and Python
- Create custom web forms using JavaScript, HTML5, and ASP .NET with C#
- Design and build database schema to support projects and applications
- Automate previously manual reporting processes

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

- Organize data and built reports for a variety of major retail suppliers
- Parse and translate EDI 850 output into SQL database using C#
- Write batch processes to load data into database
- Write SQL scripts and queries to organize data into customized formats
- Write VBA macros to allow users to manipulate data at run time

Education

Appalachian State University, Boone, NC May 2012

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

Computer Skills

Languages: Python, C#, Bash, JavaScript, HTML5, Haskell, VBA Script, Batch, Perl, SQL, CQL, \LaTeX

Frameworks/Systems: Flask, Docker, Docker-Compose, Kubernetes, Vagrant, Ansible, git, Zookeeper, NGINX