

Tim Parsons

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EDUCATION

Clemson University

Bachelor of Science in *Computer Engineering*, December 2018

Clemson, SC

GPA: 3.63

WORK EXPERIENCE

SPAWAR/NIWC – Charleston, SC

January 2019 - Present

Software Engineer I

- Designed and maintained a containerized (Docker), Python-driven (Flask back-end framework with MongoDB), web-based service utilizing business intelligence software (Metabase) with user authentication that ingests financial and engineering data for my division to display insightful graphs, charts, and metrics.
- Established the software baseline and holistic technical guide of a newly fielded cloud-based Program of Record (PoR).
- Assisted Marines in real-time by troubleshooting PoR issues, attending to sysadmin needs, and testing proof-of-concept ideas.
- Created and managed a team-wide Intelshare (SharePoint) website to facilitate collaboration and host technical documents, charters, and points of contact (POCs).
- Acted as POC with multiple companies to setup both local and remote demos to analyze the cost, risk, and performance of various COTS solutions against currently fielded solutions.

Itron – West Union, SC

January 2016 - August 2017

Clemson University Co-op – SWE

- Created and managed a WAMP server to display meter statistics and data sourced from the Itron network.
- Assisted in development of automated test framework for power-cycling and continuously running meters.
- Refactored legacy code to be more efficient or change functionality.
- Developed a responsive C# application with custom, flexible graphing capabilities to read meter databases and display graphical data of various tests ran on the meter(s).

SKILLS AND CERTIFICATIONS

SECRET Security Clearance

Programming:

- Proficient: Python, C, SQL
- Average: C++, C#, PHP, MATLAB, JavaScript, NoSQL

OS Platforms: Windows, CentOS, Ubuntu

Applications/Other: PostgreSQL, SQLite, MongoDB, Visual Studio, Docker, GitHub, Virtual Box, VMware ESXi & Workstation/Player, Proxmox, InfluxDB, Grafana, Flask, Laravel, Microsoft Office, Microsoft IIS, Sass, Gulp, jQuery, Batch Scripting, Unix/Linux/Windows CLI, PIC32 & Raspberry Pi programming, AWS.

Training:

- DevOps Engineering on AWS
- Developing on AWS
- AZ-900 Microsoft Azure Fundamentals