

Aggie Carrea

Systems Programmer

Profile

Diligent Systems Programmer with 1 year of experience in designing, coding, and optimizing software solutions. Adept at identifying system requirements, integrating software components, and troubleshooting technical issues. Demonstrates strong problem-solving skills and a keen attention to detail, contributing to efficient system operations and enhanced user experiences. Proficient in various programming languages and committed to ongoing professional development.

Employment History

Senior Systems Programmer at Alabama Power Company, AL

Apr 2023 - Present

- Successfully implemented a new automation system across 80% of the company's processes, resulting in a 30% increase in overall efficiency and a reduction in manual labor costs by 25%.
- Led a team of five programmers in the development and deployment of a critical software upgrade, improving system stability by 40% and reducing downtime by 60% over a one-year period.
- Optimized the company's data storage infrastructure, consolidating data centers and reducing overall storage costs by 35%, while maintaining a 99.9% uptime rate for all critical systems.

Systems Programmer at HudsonAlpha Institute for Biotechnology, AL

Aug 2022 - Mar 2023

- Implemented a new algorithm for genomic data analysis, reducing processing time by 40% and increasing accuracy by 15%.
- Developed an automated system for managing and updating over 10,000 software packages, resulting in a 25% reduction in maintenance time and a 50% decrease in system downtime.
- Led a team of programmers to successfully complete a large-scale migration of legacy systems to a new cloud-based infrastructure, saving the organization over \$200,000 in annual operating costs.
- Designed and implemented a secure data storage and retrieval system for sensitive genomic information, ensuring compliance with industry regulations and reducing data breaches by 90%.

Certificates

IBM Certified System Programmer

Jul 2021

Microsoft Certified Systems Engineer (MCSE)

Jun 2020

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Education

Bachelor of Science in Systems Programming at University of Alabama, Tuscaloosa, AL

Sep 2017 - May 2022

Relevant Coursework: Operating Systems, Data Structures, Computer Networks, Software Engineering, Database Systems, Algorithms, Computer Architecture, Web Programming, Cybersecurity, and Programming Languages.

Links

linkedin.com/in/aggiecarrea

Skills

Python

C++

Linux

Git

SQL

Assembly

Kubernetes

Languages

English

Bengali