Jonathan Cahal

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INTRODUCTION

IT Professional with over 10 years of experience implementing and maintaining multi-site infrastructures. Possess a Bachelor of Science in Computer Systems Engineering and expertise in multiple programming languages and technology platforms.

EDUCATION

Bachelor's of Science in Computer Systems Engineering   Arizona State University, Tempe AZ, May 2021
- **Awards:** Magna Cum Laude (3.75/4.0 GPA) May 2021
- **Relevant Coursework:** Data Structures, Algorithms, Embedded Linux, Software Engineering

WORK EXPERIENCE

Champion Schools   *IT Director, Phoenix AZ, 2012 - Present*
- Submitted technology grants which provided over $1.1 Million in funding for internet services and hardware.
- Cultivated vendor relationships which allowed for quick and cost effective acquisition of new equipment and services.
- Designed & Implemented multiple re-builds of our organization's web sites and operational applications which kept the organization using updated and modern technology and increased our capabilities.
- Maintained & updated our brand web presence which provided a consistent forward-facing interface for our thousands of clients to interact with our online services.
- Streamlined issue reporting which decreased resolution times and issue drops, leading to higher staff productivity.

ABC Phonetic Reading School   *Regional Coordinator, Phoenix AZ, 2011 – 2012*
- Coordinated print/digital ad campaigns and door-to-door canvassing which increased the enrollment of new students.
- Engaged & educated new families about the No Child Left Behind program and our services which created new leads and enrollments.
- Supported students and tutors with schedules and materials which enabled students to receive services.

PROJECTS

NASA Space Grant, Ascend Project   *Firmware Engineer, Phoenix AZ, 2015 -2016*
- Designed & developed high altitude balloon sensory, recording and communications firmware systems which aimed to collect the most data points in the history of the program.
- Performed post flight data analysis which produced models and simulations of information collected.
- Presented a summary of the project during a post project seminar.

StreetCard Homeless Resources   *Software Engineer, Albany NY, 2020 – 2021*
- Created new medical user types to selectively display specific types of client data in compliance with HIPPA.
- Designed the user interfaces which clients access to quickly share medical information with medical user types.
- Adapted the applications codebase and database which facilitated the collection and storage of medical data.

SKILLS

- **Soft:** Problem Solving, Collaboration, Communication, Work Ethic, Time Management, Critical Thinking
- **Technical:** C/C++, Java, JavaScript, HTML / CSS, Arduino, Embedded Linux, Networking, Git, NodeJS, ReactJS, VueJS, MongoDB, Wordpress, PHP, SQL

- **Software:** Microsoft Office, Google Workspace, VSCode