**Summary:**

* 7+yrs of experience in System Admin, Database management and Software engineering.
* 4+yrs experience in DevOps managing company-wide projects and supporting other teams in operations.
* Professional Management certifications- PMP and Professional SCRUM master(PSM).
* Professionally certified for System Admin and DevOps- Certified Kubernetes Admin, AWS Solutions Architect.
* Skilled at learning and adapting to technology- trained AI models, published 5 android and 3 blockchain apps.

**Education:**

* **Master’s in Information Management**, Syracuse University school of Information Studies 2018 - 2020
* **Certificate of advanced Studies in Data Analytics**, Syracuse University, GPA: 3.92/4 2018 - 2020
* **Bachelor’s in Computer Science Engineering**, St. Francis Institute of Technology, GPA 3.8 2014 – 2018

**Professional Certifications:**

Project Management Professional (PMP) June 2024

Certified Kubernetes Administrator (CKA) September 2024

Amazon Web Services Certified Solutions Architect – Associate Dec 2021

Professional Scrum Master (PSM1) November 2019

Google Analytics Individual Qualification (GAIQ) October 2019

**Work Experience:**

**DevOps Engineer at Billy Graham Evangelistic Association:** July 2020 - Present

* Implemented cross data centre deployment to ensure high availability and blue-green deployment strategies. This resulted in virtually no downtime for deployments that handled nearly 100 million in transactions annually.
* Managed site reliability and security of a Magento E-commerce store and made it highly scalable and resilient to downtime. Generated 5+ million in sales revenue during the first year.
* Created Auto-scaling deployments in Kubernetes clusters, setup monitoring alerts to further reduce service interruption due to high load. This reduced performance issues during high loads, from having an issue almost every time to, 1 in 10.
* Orchestrated entire CI/CD pipelines for testing and production workflows using Git, Jenkins and webhooks. This helped reach 100% code coverage and prevented any code going to production from being untested or unchecked for security bugs.
* Migrated entire catalogue of company websites, data and services to a new private data centre. This included Jenkins servers, BitBucket servers, PostgreSQL and Mongo databases. This required coordinating with all team managers to schedule potential downtime windows.
* Worked with team managers to create and enforce coding standards, best-practices and for all their developers. This was all documented in Confluence and Jira was used for triaging incoming tickets. This made onboarding new developers much easier reducing average onboarding time to 2 weeks.
* Setup private package registries for Nodejs and PHP packages and created private Docker registry using Harbor to ensure technological independence of the company.

**Blockchain developer at Upstate Interactive:** May 2019 - June 2020

* Developed smart contracts on the Ethereum blockchain for clients over 2 years which eventually led to the whole company being acquired by one of its clients.
* Reduced cycle time of the team by developing a smart contract testing and blockchain workflow using truffle, Github Actions and Blockchain Testnets.
* Collaborated with the Open Zeppelin team, contributing to their smart contract security framework.
* Developed a crash and error reporting system using REST and Open API schemas to capture and send event driven data that was used by Oracles in smart Contracts. This helped us gain insights into improving our testing workflow, and significantly reduced unexpected bugs after deployment.

**Software Consultant at iConsult:** Jan 2019 - May 2019

* Developed a web-based CRM solution that was used by Student Organizations in Syracuse University.
* Worked with inter-department stakeholders for requirement gathering and chartered the functional and non-functional requirements.
* Implemented the backend functionality by integrating Twilio APIs in a dot Net MVC framework.

**Projects Undertaken (Contracting/Independent):**

**Blockchain, smart contract developer:** July 2021 - December 2021

Implemented a workflow on Github actions with automated deploying, testing and error reporting of the blockchain app. Used mocha, chai for testing and Docker for containerizing a ganache-cli run blockchain test network. Smart contracts developed were tested on testnets and then deployed to Ethereum blockchain mainnet.

**Serverless App Developer, Cyber-Safe City Seal** September 2019 - December 2019

Collaborated with the City of Syracuse and Syracuse University to create an online form that ran on AWS Lambda to let city government bodies apply for a cyber-safe rating by filling out a form that measured how likely the city could fall victim to cyber-attacks.

**Software Engineer, Full stack SPA web Developer:** August 2018 - September 2018

Created a food restaurant web app built as an SPA using React.js, ES6 and Firebase as the backend with google sign-in and email verification.

**Android Apps independently developed and published on PlayStore:** May 2017 - Jan 2019

* **Gem Quest AR:** An AR game where the goal is to collect as many virtual gems as you can within a minute. Made using Google’s ARCore library within 48hrs as part of 2019 Global Game Jam.
* **Rolli:** Using the mobile’s tilt sensor, the player must move the ball without it falling.
* **Epic Pen Fight:** A full 3D pen-fight game with a touch-based physics mechanics. Rays were traced at the touch position and force was applied using the impact angle.
* **Math Wiz:** as An app to practice solving math problems that are generated on the fly with up to 4 players on the same screen. Problems included arithmetic, ratios and quadratic equations.
* **Quiz:** Based on the TV game show "Who wants to be a millionaire", this quiz game fetches questions using a REST web API.

**Embedded systems developer**: July 2017 - April 2018

Developed an interaction system with mobile devices using only head movement and voice recognition as input. Various functions on a mobile device could be controlled by the user like calling, messaging etc. Arduino and Android SDK, with Java was used.

**Software Engineer, Backend SQL Database Developer:**  July 2016 - October 2016

Developed a website that provides reviews of gadgets, using HTML, CSS, PHP and MySQL which was hosted using a XAMPP server.

**Technical Skills:**

Programming Languages: Python, Javascript, NodeJS, C++, Java, R, Solidity

Web Technologies: React.js, Node.js, GraphQL, Gatsby, Sails.js, ES6, HTML, CSS

Database Technologies: PostgreSQL, MySQL, NoSQL, MongoDb, DynamoDb, Firebase, Redis

Cloud Technologies: AWS, Azure, Docker, Kubernetes, GCP, IBM Cloud, Serverless (AWS Lambda)

Frameworks: Apache Spark, Tensorflow, Hyperledger Fabric, Truffle

Software: Git, Visual Studio, Trello, Jenkins, SQL Server, Google Analytics, Unreal Engine