**Summary:**

* 7+yrs of experience in System Admin, Database management and Software engineering.
* Professional Management certifications- PMP and Professional SCRUM master(PSM).
* 4+yrs experience in DevOps managing company-wide projects and supporting other teams in operations.
* 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

* Managed a company-wide IT project to create a replica data centre for high availability. Coordinated with 5 IT managers and their developers to schedule migration of websites, webservices and database across data centres. This was a 1 year project that resulted in virtually no downtime for deployments that handled nearly 100 million in transactions annually.
* Managed site reliability and security of an E-commerce store and made it highly scalable and resilient to downtime. Worked with the product owner of the site to provide work items for weekly sprints. Generated 5+ million in sales revenue during the first year.
* Worked with IT team leads to setup monitoring alerts to alert responsible developers during service interruptions. This reduced performance issues during high loads, from having an issue almost every time to, 1 in 10.
* Coordinated across 5 IT teams 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.
* 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.
* 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):**

**Project Management, Cyber-Safe City Seal** September 2019 - December 2019

* Led the development team in developing a forum for government officials to apply for the Cyber-Safe seal.
* Collaborated with multiple stakeholders across different verticals including City of Syracuse, Syracuse University and Cybersecurity firms.
* Delivered all requirements in a timely manner and handled internal issues of the development team.

**Project Management, Office Workforce Management** August 2019 - November 2019

* Defined deliverables like Project Charters, Project Plans and Project Schedule using an agile SCRUM framework.
* Prepared and delivered a crisp presentation on Executive Project Overview providing insights to different key stakeholders.
* Designed Work-breakdown structure with over 200 tasks and sub-tasks sequencing events on Gantt chart using MS Project.
* Efficiently allocated resources for each task and subtask to estimate the cost and timeline considering constraints provided.

**Big Data Analyst, Predictive analytics:** August 2019 - September 2019

* Provided a data driven solution for predicting real estate prices using Apache Spark framework and machine learning techniques.
* Segregated house listings into various market segments using Kmeans clustering on AWS Sagemaker.
* Delivered a working model based on random forest algorithm to predict house prices based on housing data from 2012-2018.

**Software Engineer, DevOps:** June 2019 - August 2019

* Developed a CI/CD workflow on Gitlab to create builds, implement tests and deploy to production. Tests were run on Gitlab provided containers and errors were automatically reported. Created Workflow files to orchestrate the CI/CD process on Gitlab from pushing to deployment.

**Software Engineer, DevOps:** May 2019 - July 2019

* Developed a linting workflow that was used company-wide to ensure that all code pushed adhered to their practices. Enforced company code practices using linting libraries like eslint, solhint to ensure errors were thrown or automated fixes were implemented when commits were made and automated these checks using husky for event driven checks when committing with git. Even commit messages were made to be linted as per company rules.

**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.

**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.

**Android Application Developer:** April 2017 - January 2019

* Developed and published 5 android games on Google Playstore.

**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