**Summary:**

* 7+yrs of experience in System Admin, Database management and Software engineering.
* 2yrs of developing blockchain applications on Ethereum, Polygon using smart contracts and on Hyperledger.
* 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

**Courses undertaken:** Blockchain Management, Cloud Management, Object Oriented Programming, Web Development, Database Administration, Software Development Lifecycle, Big Data Analytics.

**Professional Certifications:**

Project Management Professional (PMP) June 2024

Certified Kubernetes Administrator (CKA) September 2024

Amazon Web Services Certified Solutions Architect – Associate Dec 2021

Profession Scrum Master (PSM1) November 2019

IBM Blockchain essentials certified January 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 critical company infrastructure.
* 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. This became the main store website for the company.
* 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:**

**Polygon Blockchain, Bible on Blockchain:** November 2023 – May 2024

Created a web3 app to store the Bible on the Polygon. The frontend was created using ReactJS, Ethers.io was used to interact with Polygon blockchain from the frontend, Hardhat and Remix were used for testing and deploying.

**Ethereum Blockchain, NCAA Tournament:** November 2019 - Present

Worked with Upstate Interactive to build a de-centrlized organization running on the Ethereum network which functions similar to how NCAA tournament organizers let people bet on the results.

**Smart Contract developer, Election Contribution:** June 2019 - November 2019

Developed a DAPP that lets people donate to political campaigns using Ethereum in a manner that ensures transparency and nonrepudiation due to the data being stored on the blockchain network.

**Blockchain developer, IBM CallForCode:** June 2019 - August 2019

Developed an auction Blockchain platform using Hyperledger Fabric and IBM Cloud services to facilitate relief centers to obtain suppliers that bid the lowest for their services of delivering resources.

**Blockchain DevOps, pipelining and monitoring:** June 2019 - July 2019

Worked in DevOps to create a CI/CD workflow to create builds, check linting and implement tests for the blockchain apps within source control. Used mocha, chai for testing and Docker for containerizing a ganache-cli run blockchain test network. Implemented the workflow on Github actions with automated linting, testing and error reporting of the blockchain app.

**Blockchain security, Open-Source Contribution:** January 2019 – March 2019

Contributed multiple times to the Openzeppelin project for implementing best practices and security for developing Ethereum blockchain apps. Contributions include, converting assembly code to solidity, rewriting all the Openzeppelin tests.

**Full stack SPA 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.

**Technical Skills:**

Blockchain Technologies: Hyperledger Fabric, Truffle, Ganache, AWS Blockchain, IBM Blockchain service

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

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

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

Software: Git, Visual Studio, Google Analytics, SQL Server