

| EDUCATION                                                                                                                                                                                                                                                                                                                                                                   |                |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|
| University of the Cumberlands                                                                                                                                                                                                                                                                                                                                               | Kentucky, USA  |  |
| Ph.D. in Information Technology                                                                                                                                                                                                                                                                                                                                             | 2023 - Present |  |
| <ul style="list-style-type: none"><li>• <b>Honors:</b> 4.0 Student, Pursuing Dissertation in Artificial Intelligence, and Conducted Multiple Paper Presentations</li><li>• <b>Coursework:</b> Data Mining and Business Engineering, Information Governance, CyberSecurity Frameworks, Human Computer Interaction, Cloud Computing, and System Analysis and Design</li></ul> |                |  |
| California State University East Bay                                                                                                                                                                                                                                                                                                                                        | Hayward, USA   |  |
| Master of Science in Computer Science - Distributed Systems and Cloud Engineering                                                                                                                                                                                                                                                                                           | 2018 - 2020    |  |
| <ul style="list-style-type: none"><li>• <b>Honors:</b> Graduate Teaching Assistant, Graduate Computer Science Tutor, Google Developer Student Club Lead</li><li>• <b>Coursework:</b> Data Structures, Java Object-Oriented Programming, Web Applications, Cloud Computing, Internet of Things, Enterprise Software Design Patterns for Computational Science</li></ul>      |                |  |
| SRM Institute of Science and Technology                                                                                                                                                                                                                                                                                                                                     | Chennai, India |  |
| Bachelor of Technology in Computer Science                                                                                                                                                                                                                                                                                                                                  | 2014 - 2018    |  |
| <ul style="list-style-type: none"><li>• <b>Honors:</b> IET Conclave Speaker, MSB Guest Lecturer, Campus Ambassador - VH1, Editor - Official Newspaper, Director SRMV Model UN</li><li>• <b>Coursework:</b> Software Engineering, Visualization Techniques, Neural Network, Pattern Recognition, Decision Support Systems, Genetic Algorithm, and Machine Learning</li></ul> |                |  |

| WORK EXPERIENCE                                                                                                                                                                                                   |                                 |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|
| Site Reliability Engineer 2                                                                                                                                                                                       |                                 | California, USA         |
| Crystal Equation (Meta)                                                                                                                                                                                           | September 2021 - <b>Present</b> |                         |
| Architected and implemented highly available Enterprise for our upstream users and developers by creating tools and automation to extend the functionality of supported third-party applications.                 |                                 |                         |
| <b>Subject Matter Expert for 4+ mission-critical applications</b> with regular SLO/SLI reviews, facilitating data-driven discussions, driving reliability improvements, and designing robust data pipelines       |                                 |                         |
| Demonstrated knowledge of systems architecture to design/build highly available enterprise platforms in Chef, extend the functionality of third-party applications, and enhance platform capabilities.            |                                 |                         |
| Expertly leveraged cloud technologies and Terraform to orchestrate Kubernetes-based applications and in-house tools for Docker container deployment, scaling, and management.                                     |                                 |                         |
| Conducted team-wide training sessions on Kubernetes, AWS integrations, and container management practices for leads and members, and currently <b>lead all XFN container and Kubernetes initiatives</b> .         |                                 |                         |
| <b>Promoted to Mid SRE Engineer</b> by contributing to presenting best practices, idea prioritization, and effectively collaborating with cross-functional teams, including researchers, analysts, and engineers. |                                 |                         |
| Systems Engineer                                                                                                                                                                                                  |                                 | San Diego (Remote), USA |
| GoSite                                                                                                                                                                                                            | May 2021 - August 2021          |                         |
| Collaborated cross-functionally across the business to create systems solutions for scalable growth by implementing and maintaining system deployments, configurations, customizations, and integration.          |                                 |                         |
| Architected the move from Big Query to AWS Lambda, <b>reducing the querying time by 68%</b> , pushing into GitLab, and automated the process by microservice in Linux through optimized infrastructure.           |                                 |                         |
| Partnered with analysts to ensure stakeholders are provided transparency and visibility into company performance and identify risks and inefficiencies by creating Mode BI dashboard as clusters in AWS           |                                 |                         |
| Managed the architecture, monitoring, and infrastructure availability using Snowflake, DBT toolkit, Splunk, and Prometheus to diagnose and resolve complex infrastructure issues, minimizing downtime             |                                 |                         |
| Technical Engineer                                                                                                                                                                                                |                                 | Michigan (Remote), USA  |
| TalentNet Inc                                                                                                                                                                                                     | January 2021 - May 2021         |                         |
| Managed the GoSystem Tax RS software hosted on AWS Cloud, which provides tax workflow for millions of users by increasing efficiency, quality testing the software, and interpreting client requirements.         |                                 |                         |
| Promoted for reducing the code complexity of the GoSystem Tax software <b>by 40% via automation</b> , improving maintainability and performance, and further trained in a more complex UltraTax team.             |                                 |                         |
| Demonstrated exceptional problem-solving abilities by diagnosing complex system issues, minimizing downtime, and a structured approach to resolving infrastructure problems across multiple regions.              |                                 |                         |
| Collaborated in support of production applications and created a pipeline using a DevOps client in Linux PowerShell script that is continuously integrated and delivered via REST API to the front end.           |                                 |                         |
| Software Engineer (Full-Stack)                                                                                                                                                                                    |                                 | Remote New York, USA    |
| PantSuit Professionals                                                                                                                                                                                            | August 2020 - December 2020     |                         |
| Strategic team member on the web development team, a product for the advancement of women in the workspace using HTML5, JavaScript, JQuery, CSS3, Java Spring Boot, and libraries on VS Code.                     |                                 |                         |
| Developed Spring Security to validate the users and handed on Spring FTP Integration for transferring data to FTP server using J2EE and AngularJS framework and performed <b>Selenium Unit Testing</b> .          |                                 |                         |
| Architected the agile JIRA Kanban board and GitHub sprints to plan, track, and release reports on investigating bugs and reviewing and tuning test code for productive multifunctional communication.             |                                 |                         |
| Collaborated with the engineers to integrate server-side API calls and <b>implemented comprehensive monitoring and alerting solutions</b> using CloudWatch, enabling proactive identification and resolution.     |                                 |                         |

| PROJECTS                                                  |                                                                                                           |  |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--|
| US Road Traffic Severity Prediction: Machine Learning     | (Python   AWS   API   Docker   Jenkins   Flask   S3)                                                      |  |
| Facial Expression Recognition System: Machine Learning    | ( <a href="#">Research Paper</a>   Python   HAAR Filters   CNN Algorithm   OpenCV   FisherFaceRecognizer) |  |
| Udagram Image Filter: Node JS Cloud Based                 | (NodeJS   API   TypeScript   AWS   RESTful   Git   SQL   Jenkins)                                         |  |
| Code Editor : Web React JS                                | (React JS   HTML CSS   JavaScript   API   Git   Terraform   Vercel)                                       |  |
| Geotagging Website: Three-tier React JS Web Application   | (React JS   oAuth   Google Cloud Platform   Ansible   MongoDB)                                            |  |
| eCommerce Desktop Application: Electron JS                | (ElectronJS   HTML   Materialize CSS   Linux   Desktop App)                                               |  |
| Message Data Streaming: Apache Kafka                      | (Python   Zookeeper   Git Version   Kafka   Big Data)                                                     |  |
| CI/CD Workflow Serverless Applications: Red Hat OpenShift | (GitOps   OpenShift   Knative   Argo CD   Serverless)                                                     |  |
| Infant Monitor System: Internet of Things                 | (AWS IoT   Git   MQTT   IFTTT   Raspberry Pi   Debian OS)                                                 |  |

| CERTIFICATIONS AND TRAINING                  |                                                                                       |  |
|----------------------------------------------|---------------------------------------------------------------------------------------|--|
| Hackerrank Python Certified                  | Amazon Web Services Solutions Architect - Associate                                   |  |
| AWS Customer Council Member                  | Certified Kubernetes Administrator ( <b>CKA</b> )                                     |  |
| Redhat OpenShift Container Platform Training | Coursera Cloud Engineering with <b>Google Professional</b>                            |  |
| Confluent Fundamentals for Apache Kafka      | <b>Cisco</b> DevNet Sandbox - Cloud Module                                            |  |
| Scala Java Language - Professional           | Advance JVM J2EE Java Enterprise Servlets Apps by <b>Oracle Workforce</b> Development |  |

| TECHNICAL SKILLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
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| <ul style="list-style-type: none"><li><b>Programming Languages:</b> Python, Ruby, C++, Java, Git, Scala, UNIX Shell</li><li><b>Cloud Computing:</b> Amazon Web Services, Google Cloud Platform, Serverless, Heroku</li><li><b>Databases and Frameworks:</b> SQL, MySQL, DynamoDB, MongoDB, PostgreSQL, Memcached, Redis</li><li><b>Automation and CRM Tools:</b> Kubernetes, ElasticMapReduce, Terraform, Helm, Docker Hub, Kafka, Jenkins, Ansible</li><li><b>Web Technologies:</b> HTML5, CSS3, JavaScript, ReactJS, NodeJS, ElectronJS</li><li><b>IDE:</b> Visual Studio Code, Atom, Sublime Text</li></ul> |  |  |