NAVYA SREE ARUGONDA

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EDUCATION

Master of Science in Computer Science   August 2023 - April 2025
University of South Florida, Tampa, FL   CGPA: 4.0/4.0

EXPERIENCE

Full Stack Developer, Site Service Software, Inc., Pennsylvania   September 2024 - December 2024
- Designed and executed responsive fronten components using **React.js**, improving usability and operational efficiency by 25%.
- Developed backend services with **Spring Boot and SQL**, reducing data latency by 30% through optimized queries.
- Integrated **Power BI** dashboards for visualizing over 500K+ historical elevator inspection and maintenance records, accelerating insights and decisions by 40%.
- Enforced **RBAC** and secured 25+ APIs in **Agile** workflows, improving security and data governance.

Associate Engineer, Pegasystems, India   March 2023 - July 2023
- Resolved over 50 client-reported issues in Pega Platform applications, improving system uptime and reducing turnaround time by 20%.
- Completed **Pega Certified System Architect (CSA)** training, gaining proficiency in case lifecycle design, data modeling, and user interface development within the Pega ecosystem.

Software Developer, ThoughtWorks, India   May 2022 - February 2023
- Engineered a scalable e-commerce platform using **React.js, Java, and Spring Boot**, processing over 10,000 transactions and supporting high-concurrency workloads.
- Launched AI-driven product recommendations, increasing customer engagement by 20%.
- Implemented performance, integration, unit and contract testing for **Kafka**-based messaging systems deployed on **Kubernetes**, enhancing system reliability and scalability, reducing downtime by 25%.
- Applied **TDD and Agile** practices, reducing post-deployment bugs by 20% and accelerating sprint delivery.

Developer Intern, Blockchain USA LLC, USA   April 2021 - April 2022
- Built a decentralized identity web application with authentication and authorization, gaining hands-on experience in Self-Sovereign Identity **(SSI)**, Verifiable Credentials **(VCs)**, and Decentralized Identifiers **(DIDs)**; contributed to a 100% functional MVP within the first 3 months.
- Configured Issuer and Verifier roles using Verity-SDK, enabling secure issuance and validation of digital credentials with zero verification failures during testing.
- Deployed the solution on **Azure** Cloud, utilizing **Docker, Ngrok, Apache Maven, Node.js, and Git**, reducing manual deployment time by 60% through containerized workflows.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, C#, C++, Go, Rust, PHP, Ruby
Databases : SQL, PostgreSQL, MongoDB, DynamoDB
Web Technologies: React, Node.js, Next.js, HTML, CSS, TailwindCSS, REST APIs
Cloud, DevOps & Tools: AWS, Azure, Docker, Kubernetes, Spring Boot, Kafka, Git, Power BI, Pega
Practices: Agile Development, CI/CD, Test-Driven Development(TDD), API Design, System Monitoring
Machine Learning: Scikit-learn, XGBoost, Pandas, NumPy, Matplotlib, SMOTE

PROJECTS

ProfGuide | *React.js, TailwindCSS, Next.js, SQL, AWS*
- Launched a university-specific review platform with 300+ verified course and professor ratings.
- Implemented a verified rating system allowing only students who completed a course to submit reviews by integrating user authentication and course completion validation, enhancing feedback credibility and accuracy.

Customer Churn Prediction System | *Python, Scikit-learn, XGBoost, pandas, NumPy, SMOTE, Matplotlib*
- Built a machine learning model to predict customer churn using cleaned and engineered telecom data, improving business insights into user retention.
- Achieved 74% accuracy with XGBoost after model evaluation and tuning; used classification reports and confusion matrix for result analysis.

DocInsight | *React.js, Node.js, MongoDB, PowerBI*
- Created a data-driven healthcare platform that aggregated detailed profiles, patient reviews, and surgical outcomes for medical professionals.
- Built intuitive dashboards and streamlined search, reducing doctor lookup time by 30%.

CERTIFICATIONS

AWS Certified Developer-Associate | AWS   March 2025
Certified Pega System Architect | Pega   April 2023