Meghana Chevva

Arlington, TX(open to relocate) | +1 (850) 597-2925 | ch.meghanah@gmail.com
https://www.linkedin.com/in/meghana-chevva | https://github.com/meggitt | https://meghanachevva.com

SUMMARY

Experienced Full-Stack Software Engineer with comprehensive proficiency in designing and deploying robust cloud-driven web applications. Successfully enhanced transaction processing speed by 30% and reduced system downtime by 15% through the development of scalable solutions and automated CI/CD pipelines using AWS and modern frameworks. Expert in integrating DevOps practices and collaborating with cross-functional teams to drive cloud-native project success. Aims to leverage full-stack proficiency and proven project accomplishments to drive innovative and efficient technology solutions in the next role.

WORK EXPERIENCE

NCR Corporation   Hyderabad, India
Software Engineer   Jan 2020 - Dec 2022
- Developed and optimized the Scalable Cheque Processing Module 2 for NCR Activate Enterprise Product using C++, Java, and Spring Boot, enhancing transaction processing speed by 30% and improving client satisfaction by 25% through efficient backend solutions.
- Engineered an ATM Simulator Tool by applying advanced system design and architectural principles, thereby improving operational efficiency and enabling dynamic, remote testing during the 2020 pandemic.
- Collaborated with software architects to refine NCR APTRA on Scalable Deposit Modules 1 and 2 using Angular, React, and JavaScript, resulting in a 20% reduction in front-end bugs and streamlined deposit functionality.
- Authored 500+ automated backend tests in Java with JUnit, NUnit, and the Robot Framework, reducing manual testing efforts by 40% and enhancing system reliability through rigorous quality assurance protocols.
- Constructed an automated testing framework suite using Cypress, AutoIt, Robot Framework, and Selenium, which cut defect detection time by 50% and accelerated the software release cycle.
- Implemented robust CI/CD pipelines with GitHub Actions and Jenkins that increased deployment frequency by 30% and reduced system downtime by 15%, ensuring seamless production workflows.

PROJECTS

Digital Thesis Repository System | *https://github.com/meggitt/Digital-thesis-Repository-System*
- Played a key role in a team of 6 developing a cloud-based platform with hierarchical roles for CRUD on academic theses, leveraging RESTful APIs built with JavaScript, jQuery, Node.js and Express, and a user-friendly interface powered by React and database by MySQL.

Crypt It | *https://github.com/meggitt/Crypt-It*
- Streamlined secure file encryption and decryption with a web app using AES-256 encryption, OAuth for authentication, and RESTful APIs for seamless functionality, powered by Node.js and MongoDB for efficient data management.

Insight ML | *https://github.com/meggitt/InsightML*
- Designed a highly adaptable machine learning prediction tool utilizing Python, scikit-learn, NumPy, and pandas, seamlessly integrated with Streamlit for an interactive user experience.

Movie Search Engine | *https://github.com/meggitt/ElasticSearch-Movie-Search-Engine*
- Created a movie search engine with publicly available data using Python and Streamlit for the frontend, with Elasticsearch for efficient indexing and retrieval, and Sentence Transformers for embedding movie descriptions.

More projects at *https://github.com/meggitt?tab=repositories*

EDUCATION

Master of Science in Computer and Information Sciences   Arlington, TX
The University of Texas at Arlington; CGPA: 4.0   Jan 2023- Dec 2024
Bachelor of Technology in Computer Science and Engineering   Hyderabad, India
CMR College of Engineering and Technology; CGPA: 3.53   Aug 2016- Sep 2020

SKILLS

- **Programming Languages**: C, C++, Python, Java, Swift, JavaScript, TypeScript
- **Web Development**: React.js, AngularJS, Node.js, Nest, Next.js, RESTful APIs, GraphQL, Web Programming
- **Cloud And DevOps**: AWS, GCP, Azure, Jenkins, Docker, Kubernetes, Cloud Computing
- **Testing And Debugging**: Jest, Selenium, NUnit, JUnit, Cucumber, Jasmine, Cypress, Playwright, Debugging
- **Databases**: MongoDB, MySQL, NoSQL, PostgreSQL
- **Other Tools And Methodologies**: Git, GitHub, Linux, Ubuntu, macOS

CERTIFICATION

AWS Certified Developer – Associate   Valid until Jan 2028
Credential ID: 05a821b5866c40488c4a367098c982ab