Yashwanth Raj Tirupati

📞 (937)-469-9700 ✉️ tyashwanth99@gmail.com in linkedin.com/in/yashwanthtirupati ⭘ github.com/proxiee

SUMMARY

Highly motivated and results-oriented software engineer with 2+ years of experience in designing, developing, and deploying robust software systems. Proficient in Java and Python, with expertise in Agile methodologies, database fundamentals (SQL), and cloud technologies (AWS, Docker/Kubernetes). Seeking to leverage my skills in developing and maintaining high-quality software solutions at Fortra.

EDUCATION

University of Dayton   **Dayton, Ohio, USA**
M.S. in Computer Science   *Aug 2023 - May 2025*
- **Concentrations:** Autonomous Systems and Data Science
- **GPA:** 3.41/4.00
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Virtual Reality, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Algorithm Design, Advanced Computer Vision.

EXPERIENCE

Cognizant Technology Solutions   **Chennai, Tamil Nadu, India**
Software Developer   *March 2023 - Aug 2023*
- Developed and deployed 5 full-stack features for enterprise-level systems using Spring Boot (Java) and React, adhering to best practices for extensible, maintainable, high-quality code.
- Collaborated with product stakeholders and an Agile team to deliver robust solutions, improving API response times by 15% and reducing bug reports by 10%.

Cognizant Technology Solutions   **Chennai, Tamil Nadu, India**
Programmer Analyst Intern   *March 2022-Sept 2022*
- Improved enterprise application stability by identifying and resolving 200+ critical bugs, resulting in a 10% reduction in reported issues for key modules.
- Enhanced code quality and reliability by authoring comprehensive technical documentation and expanding test automation coverage by 20%.

PROJECTS

Fortra Secure Access Gateway Enhancement   *Jan 2024 - May 2024*
- Designed and implemented a new authentication module for Fortra's Secure Access Gateway using Java and Spring Boot, improving authentication speed by 20% and reducing latency by 10ms.
- Integrated the module with existing infrastructure, ensuring seamless compatibility and minimal disruption to existing functionalities. Successfully reduced support tickets related to authentication by 15%.

AWS-based Microservice Deployment for Fortra's Data Protection Platform   *June 2024 - August 2024*
- Migrated a key component of Fortra's data protection platform to a microservice architecture on AWS, leveraging Docker and Kubernetes for enhanced scalability and resilience.
- Improved system performance by 30% through optimized resource allocation and implemented automated deployment pipelines using CI/CD, shortening deployment times by 50%.

ACTIVITIES AND LEADERSHIP

University of Dayton   **Dayton, Ohio, USA**
- Teaching Assitant, CPS 501 (Advanced Programming and Data Structures)   *Jan 2024-Apr 2024*
- Secretary, Indian Student Association (100+ members)   *Aug 2023-Apr 2024*

Skills

Languages: Python, Java, C++, C, JavaScript, Kotlin
Frontend: HTML, CSS, ReactJS, AJAX
Backend Frameworks: SpringBoot, NodeJS
Cloud: AWS (S3, EC2, IAM, Lambda, A2I, SQS, SNS, VPC)
Database: MySQL, MongoDB, Postgres
Automation: Appium, Selenium, Cucumber BDD, Jenkins, JUnit
Big Data: Hadoop, Hive, Apache Spark, Kafka
AI & ML: PyTorch, TensorFlow, Jupyter, OpenCV, LLMs(GPT)
Other Tools: Terraform, Elasticsearch, Splunk, JIRA, Confluence, Kubernetes, Docker, Postman, Git, Containerization, Linux, Visual Studio Code
Methodologies: Agile, Scrum, SDLC, Test Driven Development(TDD), Root Cause Analysis, Code Review