MAGESHWAR S

Software Engineer

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EDUCATION

SRM Institute of Science and Technology Chennai, India

Bachelor of Technology in Computer Science and Engineering (CGPA:8.02) **June. 2017 - June 2021**

Velammal Vidhyashram Chennai, India

Senior Secondary-CBSE 12th (81.6%) **April. 2016 - May 2017**

EXPERIENCE

COMCAST **September 2022- Present**

Software Engineer Chennai, India

- Design, Development, and Maintenance of a highly scalable distributed microservice applications using Java, Spring/Spring Boot, REST API, AWS, Comcast Private Cloud, and NoSQL databases, driving system resilience and performance through rigorous testing and optimization. Achieved significant improvements in system uptime and response times, ensuring seamless user experience.
- Spearheaded the migration of a legacy backend application from Spring framework version 3.2.9 to 5.3.39, achieving seamless functionality continuity while resolving a critical Snyk vulnerability (severity score: 1000), thereby ensuring enhanced security and compliance.
- Implemented advanced DevSecOps practices by seamlessly integrating security tools, including SonarQube and Checkmarx, to enhance vulnerability management. Enabled IMDSv2 for AWS EC2 instances and upgraded Jackson dependencies from version 2.1.2 to 2.15.0 in pom.xml, achieving a 40% improvement in overall Cyberscore.
- Integrated (CI/CD) pipelines using concourse, GitHub Actions resulting in a 60% reduction in deployment time.
- Utilized agile methodologies such as Scrum to facilitate team collaboration and deliver iterative software updates.

PROJECTS

X1 Popular Preferences | (COMCAST) **Feb 2024- March-2024**

- Derive the Insights by performing data analysis on most liked/popular preference setting in the Comcast's X1 TV menu
- The dataset will be retrieved from the DB through csv file and will perform Data Pre-Processing
- Utilized Python libraries for data preprocessing, and visualization.
- Obtain Insights by applying relevant data visualization techniques and infer the most liked/popular preferences in the X1 menu.

Real and Fraudulent Job Posting Prediction using Machine Learning Techniques | (SRM) **Jan 2021- May-2021**

- Built an ML-based system to predict fake job postings using real-world datasets.
- Performed extensive data analysis and feature engineering to improve model accuracy.
- Utilized Python libraries for machine learning, data preprocessing, and visualization.
- Delivered end-to-end workflow including model training, evaluation, and result reporting.

SKILLS

Programming Languages: Java, JavaScript, TypeScript

Frameworks: Spring, Spring Boot, NodeJS, Angular

Scripting Language: Python

Databases: SQL, Cassandra, MongoDB

Tools: Docker, Concourse (CI/CD), Maven, Tableau, Excel

Cloud/DevOps: AWS, Terraform, Packer, Git

Monitoring tools: ELK, Grafana, Telemetry

CERTIFICATIONS

- AWS CERTIFIED CLOUD PRACTITIONER
- AWS CLOUD QUEST: CLOUD PRACTITIONER-AWS
- REST API with Postman for beginners-Udemy
- Terraform for the Absolute Beginners with Labs-Udemy
- CRASH COURSE ON PYTHON- COURSERA
- SQL for Data Science- COURSERA