DEVI ADITYA VARMA DANTULURI

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EDUCATION

Western Michigan University   Jan 2021 - Dec 2022
Master of Computer Science, GPA (3.42/4.0)

PROFESSIONAL EXPERIENCE

Software Engineer (AI/ML) - HCA Health Care   Aug 2023 - Current Role
Team: Web-Dev (Contract)   *Boston, MA*

- Engineered and optimized backend services using Java Spring Boot and Node.js, resulting in a 20% boost in application speed.
- Spearheaded the development of responsive front-end applications with Angular and React, enhancing user engagement by 30%.
- Streamlined CI/CD workflows using Jenkins, slashing deployment times by 40%.
- Architected scalable RESTful APIs, improving data exchange efficiency and reducing latency by 25%.
- Orchestrated Docker and Kubernetes-based data pipelines, elevating system reliability and cutting downtime by 15%.
- Deployed machine learning models for patient data analytics, delivering actionable insights and reducing decision-making time by 35%.
- Drove integration of third-party services, amplifying application features and user retention by 20%.
- Facilitated cross-team discussions with product managers and data scientists, aligning project goals and reducing development delays by 15%.

Software Development Engineer - Amazon Web Services Inc.   Aug 2022 - May 2023
Team: Relational Database Service (RDS-PostgreSQL)   *Boston, MA*

- Enhanced backend performance by 30% through Java Spring Boot optimization and efficient service development.
- Conducted advanced database management and query optimization for PostgreSQL, boosting query speed by 40%.
- Managed on-call support and executed AWS region builds, ensuring high availability and reducing outages by 20%.
- Automated data store tasks using Docker and shell scripting, increasing team productivity by 25%.
- Improved database cluster recovery time by 20% through effective capacity planning and tuning.
- Leveraged AWS services (S3, Lambda, EC2) for robust, scalable application solutions, reducing operational costs by 15%.
- Deployed AWS CloudWatch for enhanced observability, cutting troubleshooting time by 50%.

Student IT Assistant - CHHS At WMU   Aug 2021 - Jul 2022
Team: IT Department   *Kalamazoo, MI*

- Developed a web-based asset tracking system using React and Node.js, improving asset management efficiency by 30%.
- Automated workflows and batch processes using Python, reducing manual efforts by 25%.
- Implemented a helpdesk solution with Angular and Express.js, decreasing resolution time by 40%.
- Managed software installations via Microsoft SCCM, boosting overall system performance by 50%.

TECHNICAL SKILLS

Software Development : C,C++,Java,Python,JavaScript,HTML,CSS3,Angular,Node.js, React, .NET Core, R, ML, LLM
ML Frameworks: Pytorch, MLX, Tensorflow
Cloud & DB management: AWS, PostgreSQL, MySQL, OracleDB, MS SQL, MongoDB, GCP, Azure
Data Technologies: RDBMS, MongoDB, Kafka, Elasticsearch, Hadoop, Spark
Devops & Project Management: Docker,Kubernetes,Jenkins, Terraform, Ansible, GIT, GitHub, JUnit, Mockito, Postman, Scrum, JIRA, Agile
Additional Qualities : PowerBI, REST API's, API Testing, UNIX, Linux, Unit Testing, Scripting , ETL Automation.

CERTIFICATIONS

- AWS Certified Machine Learning Engineer – Associate
- AWS Certified Solutions Architect – Associate