KAUSHIK MALIKIREDDY

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EDUCATION

Northeastern University   (3.9/4 GPA) Expected May 2025
Master of Science in Computer Software Engineering   *Boston, MA*

PES Institute of Technology   August 2020
Bachelor of Technology in Computer Science Engineering   *Bangalore, India*

EXPERIENCE

Goodyear Tires   Remote
Software Development Engineer Intern   *July 2024 – Sept 2024*

- Designed system architecture through requirement analysis, creating ERDs and process flow charts, optimizing service integration, and aligning with business goals to enhance scalability
- Developed an AWS-based cloud infrastructure using Terraform to consolidate ERP data processing and storage across the Asia Pacific region, configuring subnets for APIs to ensure scalable and reliable deployment
- Built a unified Tire Warranty microservice module for 6 countries using Dynamo DB & S3 RDS and Node.js REST API with a serverless framework on AWS and CI/CD using GitHub Actions, streamlining data flow

One Community Global   San Gabriel, California
Full Stack Developer Intern   *May 2024 – July 2024*

- Contributed to sustainable city development by writing JEST test cases, testing PRs on GitHub, and developing React JS and Node JS REST APIs, aligning with the company's vision for innovative solutions
- Integrated LLM AI Model to automate weekly reporting in a DevOps environment increasing reporting efficiency

ABB Global Industries - Digital   Bangalore, India
Software Engineer   *Jan 2021 – Aug 2023*

- Developed a Data Processing and Integration Module in a Digital Twin tool with Angular UI, .Net API, SQL, and Azure, managing 10,000 assets and 100+KPI from industrial operational technology systems
- Identified redundant code affecting REST API response times, introduced centralized error handler, improving response time by 25%
- Refined Azure CI/CD pipelines across multiple projects, reducing security scan and deployment time from 3 days to 6 minutes
- Utilized SonarQube to ensure code quality and software security, reducing code issues by 60% from the project's inception

PROJECTS

DiagnoVet

- Built a veterinary healthcare tool using MongoDB, React, and Node.js to accelerate diagnosis and drug prescription time by 5 times, and deployed it using Docker and Kubernetes for efficient scalability and management
- Implemented a CI/CD pipeline using GitHub Actions to auto-deploy the application into an AWS EC2 instance

JavaBrew

- Designed Java powered management system for streamlined café operations with Lambdas, Streams, SOLID principles and SQL Queries
- Optimized café operations with our dynamic Swing GUI Java system, speeding up and simplifying processes for 20% enhanced efficiency

TECHNICAL SKILLS

Programming Languages: Java, Golang, Kotlin, Python, C/C#, JavaScript/Typescript, HTML/CSS, Bash
Frameworks/Databases: React, Node.js, Flask, Angular, SQL, PostgreSQL, MongoDB, Agile
Tools / Cloud: AWS, Azure, Git, Github Actions, Docker, Kubernetes, Sonarqube, Figma, Postman, PowerBI

ACHIEVEMENTS

Winner of Siemens Tech4Sustainability Hackathon 2024: React app calculates CO_2 footprint for sustainability
Runner-up at ABB Hacksummit 2021: Emergency alert system using Computer Vision, 95% accuracy
Awarded Best Social Service Club: Rotaract club, 20 members, 100+ community projects, earning 7+ awards