ANITHA.G

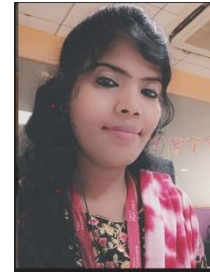## NET Full Stack Developer with Cloud.

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https://github.com/anithaganesan1

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SUMMARY

Seasoned Software Developer with 9+ years of experience in designing and developing scalable web-based solutions using the Microsoft technology stack. Expertise in ASP.NET Framework, .NET Core, Sitecore CMS, SQL Server, and Angular. Strong knowledge of software &best practices including Agile methodology, DevOps, CI/CD pipeline using Azure / AWS DevOps.

Constructed & maintained 15+ SQL Server database integrations for the cross-tenant user system, resolving 95% of user-reported issues within the first 24 hours of deployment

EXPERIENCE

Senior Software Engineer
Tech Mahindra

- Environment: ASP.NET Core 2022, React.js, Azure AD, SQL Server, IIS-10
- Analysed cross-tenant user and Role-Driven Tile Display System
- Integrated Azure AD for user authentication and AD group synchronization
- cron job-based syncing logic for DEV (hourly), UAT (2-hourly), and PROD (4-hourly) environments
- Led backend logic in .NET Core,React.js-based UI integration, database management with Azure Data Studio
- layered architecture: presentation (React), middleware (ASP.NET Core), backend logic, and Azure SQL data layer
- robust CI/CD pipelines using Jenkins and Ansible, automating deployments which decreased manual intervention by 40%

Sitecore Developer
Tech Mahindra -Kimberly-Clark

- Environment: ASP.NET 2022, Sitecore CMS, IIS-10, SQL Server 2018, Web API
- Managed end-to-end content lifecycle using Sitecore CMS including creation, modification, and publishing of components, templates, and pages
- Collaborated with cross-functional teams to handle website launches &updates with 100% quality assurance
- support and change request tickets using JIRA and Confluence

5.E-Commerce Shopping Cart – ASP.NET Core Web App

Developed a responsive E-Commerce web application allowing users to register, browse products, place orders, and complete payments. Integrated admin/user role-based login, shopping cart logic, and order tracking.

- Successfully led content publication and launch coordination individually, communicating directly with stakeholders.

Sitecore Developer
Tech Mahindra -Kimberly-Clark

- Environment: ASP.NET 2022, IIS-10, SQL Server 2018, Web API
- Windows application to automate XML-to-CSV data transformation. logic to validate emails, remove duplicates, and convert phone numbers based on dd/mm/yyyy format.
- Scheduled job execution for third-party validation and report generation
- backend logic using C#.NET ; frontend handled with HTML, jQuery

PROJECTS

1.BSMH SSP-Bon Secours Mercy Health

Its used cross-tenant user management and Role-Segmented Dynamic Tile Layout. Integrated Azure AD for user authentication &AD group synchronization
Website: https://helix.bsmhealth.org/

2.EMEA Project-Kimberly-Clark

end-to-end content lifecycle using Sitecore CMS including creation, modification, and publishing of components, templates, and page

3.APAC– Kimberly-Clark

Windows application to automate XML-to-CSV data transformation. Logic to validate emails, remove duplicates, and convert phone numbers based on dd/mm/yyyy format.

4.Material Schedule Tracker (MST)

Focused an enterprise-grade tracking system for project items through key workflow stages (Drawing, Approval, PO, QA, etc.) SCM/EDMS.

6. Trading & Demat Account Management System

Built a web/mobile-accessible application for investors to open and manage Demat accounts with full KYC integration. Included agent-based approval/rejection logic, live wall notifications, and automated investor email alerts. Modules: Admin Master, Form Tracking/Search, Approval Wall, Follow-Up, Reports, Back OfficeTech Stack: ASP.NET 2013, C#, SQL Server 2008 R2, Web API, SignalR, jQuery, IIS-8

- Built account creation flow with KYC validation, PAN verification, and document uploads

7. Personality Lookup – Filter-Based Search Web App

Developed a web application for filtering and purchasing personality profiles based on name, state, city, and age, categorized under Sales, Relationship, and Love..

8. Medical Insurance Management System

Developed a medical insurance management system to handle policy data, employee endorsements, and claims tracking for cashless and reimbursement modes..

- Implemented claim intimation, billing, and settlement modules with communication history logs
- Built reporting module using Crystal Reports and Excel integration
- Provided secure role-based access for employees, brokers, hospitals, and insurers
- Added support for commission tracking by office location (e.g., Dubai, Head Office)

SKILLS

- **Programming Languages & Scripting**#, ASP.NET, T-SQL, Bash
- **Frameworks & Libraries: .NET** Framework (v1.0 – v4.5), ASP.NET Core, Angular (7, 8, 17), React.js, Bootstrap, SignalR
- **Databases & Data Tools**: SQL Server (2000 – 2019), Azure Data Studio
- **Tools & Ides**: Visual Studio (2003 – 2022), VS Code, Azure DevOps, Git, TFS, JIRA, Postman, Adobe Photoshop
- **DevOps & CI/CD**: Azure DevOps Pipelines (CI/CD), Jenkins, Docker, Kubernetes, Ansible, Git, Cron Jobs, YAML, Terraform (basic), Linux system administration

- **CMS & Reporting**: Sitecore v8.0 & v9.0 (TDS, Workflow, Publishing), Crystal Reports

- **APIs & Integrations:** RESTful APIs, Swagger, JSON, XML Web Services
- **Operating Systems**: Windows (95 to 11), Windows Server, Linux (Ubuntu, CentOS)
- **ITSM & Monitoring Tools**: ServiceNow, Log monitoring with Azure Monitor / Prometheus

KEY PROJECTS-AWS

1.DevOps Project: **Dockized React Application with CI/CD on Jenkins & AWS**

GitHub: https://github.com/anithaganesan1/ReactApp-Project

Tech Stack: React.js, Docker, Jenkins, GitHub, AWS EC2, Bash, Docker Hub, Monitoring Tools

- Dock erization: Containerized a React.js application using a custom Docker file and docker-compose.yml for multi-container support.

CI/CD Pipeline (Jenkins):

- Set up Jenkins build steps for build.sh and deploy.sh to automate image building and deployment.
- webhooks for GitHub to trigger builds on both dev and master branches.
- Ensured:
  - I.   On dev branch push: Docker image push to public dev Docker Hub repo
  - II. On merge to master: Image to private prod Docker Hub repo.

Source Control:

- Assessed .dockerignore & .gitignore to optimize builds and version control.
- Managed branches and commits via CLI.

Deployment (AWS):

- containerized app on T2.micro EC2 instance on port 80.

Security Groups:

- App accessible publicly.
- SSH access restricted to personal IP.

Monitoring:

- Integrated open-source health monitoring.
- Set up notification alerts for downtime events.

2.DevOps Project: **DevOps Pipeline Deployment – Brain App**

GitHub: https://github.com/anithaganesan1/Brain

Tools: Docker, Jenkins, AWS Code Build, Code Deploy, Code Pipeline, EKS

- Cloned React-based app from GitHub and deployed on port 3000 via Docker container.
- Engineered custom Dockerfiles, Docker Compose configurations, and shell scripts, orchestrating the automated build and deployment processes for the application, cutting down deployment times by 60%.
- Create and pushed Docker images to AWS ECR repositories (dev - public, prod - private).
- Setup Kubernetes (EKS) cluster on AWS; wrote deployment and service YAML files.
- application to EKS via kubectl integrated with AWS Code Deploy.
- AWS CodeBuild with buildspec.yml and Code Deploy with appspec.yml.
- Connected GitHub repo to AWS CodePipeline
  - i.   **Source**: GitHub
  - ii.   **Build**: Code Build
  - iii. **Deploy**: Code Deploy (EKS)
- CloudWatch Logs for build/deploy/application monitoring.
- Setup open-source health monitoring tool to trigger alerts if app goes down.
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3.DevOps Project: **End-to-End CI/CD with Jenkins, Docker, Terraform, and EKS – Trend App**

GitHub: https://github.com/anithaganesan1/Trend

Tools: Docker, Terraform, Jenkins, Kubernetes, EKS, AWS, GitHub

- Cloned React app to run on port 3000.
- Dockized the app using Docker file and validated image output.
- Terraform scripts (main.tf) to provision VPC, IAM, and EC2 (with Jenkins).
- Docker images to Docker Hub (public and private repos).
- Installed Jenkins and essential plugins (Docker, Git, Kubernetes, Pipeline).
- Integrated Jenkins with GitHub using webhooks to trigger auto-builds for commits.
- Jenkins declarative pipeline to build, push, and deploy Docker image to EKS.
- deployment/service YAMLs and Prepared kubectl from Jenkins for Kubernetes deploy.
- open-source monitoring to alert only when app is down.

EDUCATION

B.E. in Electronics & Instrumentation Engineering (2002 – 2005)
Anna University at Chennai
Diploma in Computer Technology
Adhiparasakthi Polytechnics

Higher Secondary & Secondary Education
Sahayamatha Girls Higher Secondary School, Minjur.

CERTIFICATIONS

Angular 7 -Course Complete Certifications
CREDO SYSTEMZ at Chennai.
DevOps Program -Course Complete Certifications
GUVI HCL .

LANGUAGES

Tamil   **English, Malayalam**
Native   Proficient