DURGA KALYAN GANDIBOYINA

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SUMMARY

Full-stack Software Engineer with 3+ years of experience building **responsive single-page web applications** and **scalable microservices**. Skilled in **Python, C#,** with hands-on expertise in **AWS Cloud, AI integration, and containerized deployments**. Passionate about delivering **pixel-perfect, modular, and user-centric web applications** while thriving in collaborative, fast-paced environments.

TECHNICAL SKILLS

- **AI & Machine Learning**: OpenAI API, Google Gemini, Grok API, AWS Bedrock, OpenAI Whisper, Generative AI, NLP, Spacy, Scikit-learn, MLOps fundamentals
- **Languages & Frameworks**: Python, C# (.NET), Java, ReactJS, Node.js (Express), Angular, Spring Boot, Flask
- **Frontend**: HTML5, CSS3, JavaScript (ES6+), Single-Page Applications
- **Backend & Microservices**: REST APIs, Postman, SpringBoot, FastAPI, Flask, ASP.NET, Docker, Lambda, App Runner, ECR
- **Databases**: MySQL, PostgreSQL, MongoDB, DynamoDB, NoSQL (AWS)
- **CloudOps**: AWS (Lambda, RDS, EC2, S3, App Runner, CloudWatch, API Gateway, IAM), Terraform (laC), Git, CI/CD Pipelines
- **Core CS**: Cross-browser compatibility, Web performance optimization, UX collaboration

EXPERIENCE

DXC Technology - Progressive Insurance   Jun 2022 - Aug 2023
Full Stack Software Engineer   *Remote, USA / Bengaluru, India*

- Engineered and deployed enterprise-grade ASP.NET (C#) applications and optimized MySQL backends, ensuring reliability for 3 production-ready modules with comprehensive regression testing and zero post-deployment errors.
- Contributed to system reliability by performing deep-dive analysis and code-level troubleshooting on over 500 server anomalies, collaborating with SRE teams to implement monitoring and automation scripts.
- Utilized Agile methodologies and implemented lightweight CI/CD processes to streamline delivery across 2 concurrent tracks, reducing time-to-market by 30% and improving cross-functional efficiency.
- Led Knowledge Transfer (KT) sessions and provided post-deployment support while mentoring 2 junior developers; recognized with the "DXC Champ" award for programming excellence.

AI & SCALABILITY PROJECTS

Al Powered Business Analytics Platform (GPT-4 Integration)   Mar 2024 - Apr 2024

- Architected and deployed a scalable, distributed analytics platform utilizing Python FastAPI and a Next.js frontend deployed as Dockerized microservices on AWS App Runner.
- Built modular ETL pipelines to process high-volume sales data, integrating GPT-4 for natural language-to-SQL querying, focusing on efficient information retrieval from a PostgreSQL (RDS) database to enable real-time, Al-driven insights.

Lakshmi-Al, Voice Assistant (NLP & Distributed System)   Feb 2024 - Mar 2024

- Developed a real-time Natural Language Processing (NLP) voice assistant using Python (Flask), Angular, and GPT-4, integrating OpenAl Whisper and Amazon Polly for full voice-to-text-to-speech lifecycle.
- Designed a high-throughput web interface using Socket.IO and custom state management to handle simultaneous sessions, manage live transcription, and implement a JSON-based persistent memory system for conversational context.

Al-File Analyzer (Serverless System Design)   Dec 2023 - Dec 2023

- Developed a serverless Al-powered document analyzer using Amazon Bedrock (Titan-text) orchestrated via AWS Lambda and API Gateway.
- System generates accurate, context-aware summaries from documents (PDF, DOCX), improving processing efficiency by 50% across 200+ test cases.

EDUCATION

Union Commonwealth University   Aug 2025 - Present
Master of Science, Information Management Systems

Florida Atlantic University   Aug 2023 - May 2025
Master of Science, Computer and Information Sciences

ACHIEVEMENTS

- **Academic Excellence Award:** Awarded by Florida Atlantic University for achieving a 4.0 GPA in Fall 2024.
- **DXC Champ Award:** By DXC Technology for exceptional performance and dedication (FY23, Q4).
- **Best Innovator Award:** Innovator of the Year award by ViBha India in 2019.