

DURGA KALYAN GANDIBOYINA

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SUMMARY

Full-stack Software Engineer with 3+ years of experience building and maintaining web applications and backend services. Strong background in Python and C#, with hands-on experience working across AWS, automation platforms, and containerized systems. Enjoys owning features end-to-end, improving internal processes, and building practical solutions that teams actually use.

EXPERIENCE

Help Us Grow (H.U.G.) Reading Program

Nov 2025 - Present

AI Researcher Intern

Remote, USA

- Designed and implemented AI-driven automations to streamline HR operations, including document processing, internal workflows, and data handling, reducing manual effort and improving operational efficiency.
- Researched and applied generative AI and NLP techniques to analyze organizational data, summarize content, and document insights, working closely with stakeholders to translate needs into practical automation solutions.

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 errors, collaborating with SRE teams to implement monitoring and automation scripts.

PROJECTS

xCommand Cloud - Automation & AI Workflow Platform | <https://xcommand.cloud/>

Nov 2025 - Dec 2025

- Built and launched xCommand Cloud, a self-hosted SaaS platform that provisions on-demand n8n automation workspaces using Docker, Traefik, and FastAPI, enabling time-bound (1-day / 5-day) rentals with automated lifecycle management.
- Designed the end-to-end architecture, including Stripe payments, workspace isolation, auto-expiry cleanup scripts, monitoring with Prometheus/Grafana, and a polished glass-themed UI, deployed on a VPS with production-grade DevOps practices.

AI 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, AI-driven insights.

AI-File Analyzer (Serverless System Design)

Dec 2023

- Developed a serverless AI-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.

TECHNICAL SKILLS

- AI & Machine Learning:** API (OpenAI, Claude, Gemini, Grok), n8n Automation, Zapier, AI Agents, Retrieval-Augmented Generation, AWS Bedrock, Generative AI, OpenAI Whisper
- Languages & Frameworks:** Python, C# (ASP.NET), Java, Angular
- Frontend:** HTML5, CSS3, JavaScript (ES6+), Single-Page Applications
- Backend & Microservices:** REST APIs, Postman, FastAPI, Flask, Docker
- Databases:** MySQL, PostgreSQL, DynamoDB, NoSQL (AWS)
- CloudOps:** AWS (Lambda, RDS, EC2, S3, App Runner, CloudWatch, API Gateway, IAM), Git, CI/CD Pipelines

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.