

Paurush Muley

Software Development Engineer — .NET — Node.js — Cloud — Distributed Systems — Agentic AI
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Professional Summary

Software Development Engineer with 2+ years of experience building scalable cloud-native applications, microservices, and AI-enabled enterprise platforms using .NET Core, ASP.NET, Node.js, React, Angular, Python, Azure, and AWS. Experienced in designing and developing REST APIs, distributed systems, Kubernetes, Docker, CI/CD pipelines, event-driven architectures, and multi-cloud deployments. Hands-on experience implementing Generative AI, Agentic AI, LLMs, LangChain, LangGraph, RAG pipelines, AI-powered workflow automation, and intelligent enterprise applications focused on scalability, maintainability, performance optimization, and operational efficiency.

Skills

Languages: JavaScript, TypeScript, C#, Python, Java
Cloud/DevOps: Azure, AWS, Docker, Kubernetes, CI/CD, Terraform, Bicep, Azure DevOps
Backend: .NET Core, ASP.NET, Node.js, REST APIs, GraphQL, Microservices, Distributed Systems
Databases: PostgreSQL, MySQL, MongoDB, CosmosDB, Elasticsearch
Frontend: React.js, Angular, HTML, CSS
AI/ML: GenAI, Agentic AI, LLMs, LangChain, LangGraph, RAG, OpenAI APIs
Integration: Kafka, Message Queues, API Integrations, WebSockets

Experience

Centralogic India Pvt Ltd

Software Engineer | Jul 2024 – Present

- Developed scalable microservices and cloud-native applications using .NET Core, Node.js, React, ASP.NET, and Azure improving throughput by 30%.
- Built REST APIs, distributed services, and event-driven workflows for enterprise applications deployed in Azure cloud environments.
- Implemented AI-powered automation workflows using GenAI, LLMs, LangChain, and Agentic AI improving operational efficiency and developer productivity.
- Performed root cause analysis and resolved production issues, improving application reliability and reducing incident resolution time.
- Managed Docker and Kubernetes deployments increasing infrastructure reliability by 40%.
- Automated CI/CD pipelines using GitHub Actions and Azure DevOps reducing deployment time by 50%.
- Collaborated with cross-functional teams on solution design, API integrations, and enterprise workflow automation.

Alphabee Technologies

Web Developer Intern | Feb 2023 – Jul 2024

- Developed full-stack web applications using React, Node.js, SQL, and PHP improving delivery speed by 20%.
- Built backend APIs, database modules, and automation workflows improving performance and reducing response time by 30%.
- Assisted in frontend integration, responsive UI development, and scalable backend architecture implementation.
- Diagnosed production issues and optimized application performance reducing operational disruptions by 50%.

Projects

UK Energy Supplier CRM Software

.NET, Azure, RAG, LLM

- Built scalable CRM platform using microservices, REST APIs, Azure Functions, and cloud-native architecture for high-volume energy workflows.
- Integrated RAG based AI-assisted automation, API-driven workflows, and distributed backend services.
- Collaborated on enterprise-grade backend systems focusing on scalability, maintainability, and integration performance.

Centra Assist – HRMS Chatbot

GenAI, LLM, RAG

- Developed AI-powered HR chatbot using LangChain, RAG, Azure Bot Service, and LLMs reducing manual HR effort by 60%.
- Implemented Generative AI and Agentic AI workflows for intelligent automation, contextual retrieval, and conversational enterprise support.
- Built scalable AI integration pipelines and backend APIs for enterprise knowledge management workflows.

CentraJob – Recruitment Platform

.NET, Azure, LLM

- Built recruitment and onboarding platform integrating AI interview bot powered by LLMs and GenAI capabilities.
- Developed backend APIs and cloud-based workflow automation features improving recruitment and candidate engagement processes.

Certifications

- AWS Certified Cloud Practitioner
- Supervised Machine Learning – Stanford Online
- Cyber Security – Google

Education

B.E. Computer Engineering
MVP's KBT College of Engineering
2019 – 2023