Dubey M

Software Engineer, 3+ years experience
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Hi there! I'm a passionate Software Engineer with 2+ years of experience building scalable, high-performance systems that power real-world applications. Current Impact at Simnovus: As SWE-I, I've architected and deployed 8+ microservices in Go, orchestrated complete migration from monolithic systems using Docker/Kubernetes, and built real-time logging systems processing 50M+ entries. My work has consistently delivered 60-80% performance improvements while mentoring junior developers and establishing robust CI/CD pipelines. Academic Excellence: MTech in Artificial Intelligence - IIT Patna (CGPA: 8.73/10) BTech in Computer Science - LPU (CGPA: 8.80/10) Research: IEEE WCNC 2025 paper on fog computing and UAV services Technical Expertise: Languages: Go, JavaScript/TypeScript, Python, C++ Specializations: Microservices Architecture, Distributed Systems, Cloud Computing, ML/AI Tools: Docker, Kubernetes, ElasticSearch, Redis, PostgreSQL, React, NodeJS Key Achievements: Reduced deployment times by 60% through strategic microservices migration Built ML/DL models achieving 92-95% accuracy in production environments Scored 96.40% in NASSCOM Skill Competency certification Processed 10K+ documents daily with automated NLP pipelines Delivered critical features within 2-week timelines for 5+ enterprise customers What Sets Me Apart: Beyond technical skills, I bring a unique combination of AI/ML expertise with hands-on software engineering experience. I thrive in fast-paced environments, excel at problem-solving complex distributed system challenges, and have a proven track record of delivering scalable solutions that drive business impact. Currently Seeking: Exciting opportunities in Software Engineering, Backend Development, Distributed Systems, or AI/ML Engineering roles where I can leverage my expertise in building next-generation applications. Let's Connect! Always open to discussing innovative projects, technology trends, or collaboration opportunities. Feel free to reach out!

INDUSTRIES: Software and Platforms

TECHNICAL SKILLS

• Linux	3 years & 4 months
• Postman	3 years & 4 months
• Git	3 years & 4 months
• MongoDB	2 years & 4 months
• Express.js	2 years & 4 months
• Node js	2 years & 4 months
• JavaScript	2 years & 4 months
• Kafka	2 years & 4 months
• redis	2 years & 4 months
• PostgreSQL	2 years & 4 months
• React	2 years & 4 months
• golang	2 years & 4 months
• Elasticsearch	1 years & 4 months
• Python	1 years & 4 months
• Microservices Architecture	1 years & 4 months

SOFT SKILLS

Communication, Problem-solving, Teamwork, Time management, Critical thinking

PROJECT DETAILS

• CUSTOM GENAI CHATBOT & DATA TOOLKIT March-2024 - November-2025

Project Description: Custom Chatbot on Reddit data with Data analysis and playground toolkit

Responsibilities: Built an NLP based custom chatbot using three models: sentiment, emotion, and OpenAI gpt-three.five-turbo, achieving eighty eight percent accuracy on user query handling. Engineered a real-time analysis toolkit combining Deep Learning and API development in Python for rapid experimentation. Implemented advanced NLP with LangChain, LlamaIndex, and vector databases to enhance retrieval and conversational quality.

Technologies: Python, Webpack, OpenAI, Langchain, LlamaIndex, Vector DB, RAG, Scikit-learn, Numpy, Matolotlib, Tensorflow, Keras

Industry: Software and Platforms

Link: https://github.com/d-manas28/Custom-Chatbot-with-reddit-data

• DSA AUTOMATION LEARNING TOOLKIT January-2021 - November-2025

Project Description: CLI tool to automate data structure and algorithms operations helping students visualise behind the hood working and get better understanding

Responsibilities: Built a kernel-like utility automating fifteen plus DSA operations in C/C++ with an interactive CLI-style backend UI for first-time learners. Applied OOP design with advanced file manipulation and CLI simulation to create an intuitive learning workflow. Ensured cross-platform compatibility using Git and Linux for consistent builds and testing.

Technologies: C, C++, I/O Handling, File Handling, Linux, Git, DSA, CLI, OOPs, LLD

Industry: Software and Platforms

Link: https://github.com/d-manas28/Desktop-Application---Data-Structure-Automation

EMPLOYMENT HISTORY

• Software Engineer June-2023 - September-2025

Description: • Led full-stack feature delivery: designed dynamic React UI/UX, integrated REST APIs, and optimized SQL queries to streamline data flow and boost frontend responsiveness. • Architected and deployed 8+ microservices in Go, containerized with Docker and orchestrated via Kubernetes, cutting deployment time by 60%. • Built an end-to-end real-time logging system with React frontend and Go and Elasticsearch backend, ingesting 5–10K log entries in 800ms and scaling to 50M searchable events. • Delivered multi-PDU feature support across 5+ customer scenarios in 2 weeks, enabling 50% faster feature rollout via optimized mapping relationships. • Executed 5 architecture POCs and created high-performance ping services for reliable bi-directional communication across services.

• Software Product Developer Intern June-2020 - June-2021

Xlpat Labs

Description: • Developed Python REST APIs for an IP intelligence platform to automate patent-analysis workflows for enterprise users. • Built scalable backend services connecting to ML models with optimized PostgreSQL queries to classify and filter large patent datasets efficiently. • Engineered a ML Model and data-extraction pipeline to parse problem statements and keywords from patents, integrating with PostgreSQL. • Delivered features across the full SDLC in a fast-paced environment, collaborating with cross-functional teams under tight deadlines.

CERTIFICATION

• Certificate for Skill Competency by Nasscom 2025

• SDE Job Simulation by JP Morgan Chase & Co 2023

EDUCATION

• Masters degree in Artificial Intelligence from IIT Patna 2022 - 2024

• Bachelors degree in Computer Science and Engineering from Lovely Professional University 2017 - 2021

LANGUAGES

• English - advanced

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