GAGAN INDUKALA KRISHNA MURTHY
Software Development Engineer

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PROFESSIONAL SUMMARY

Software Development Engineer with around 5 years of experience designing scalable, user-centric applications across diverse domains. Proficient in React, Angular, Django, FastAPI, and microservices, with a focus on performance, reusability, and clean architecture. Proven track record of delivering impact through data-driven solutions, UI innovation, and full-cycle project execution.

WORK   EXPERIENCE

Software Engineer | Steerwise   **Sep 2024 - Present**
- Developed a multi-tenant, low-code/no-code data mesh platform that enables organizations to procure, produce, and publish domain-specific data products on a scale.
- Architected and implemented a scalable MVVM + microservices frontend foundation, driving clean code practices, improved scalability, fast feature delivery, and high code reusability.
- Introduced Storybook-driven development workflows, allowing dynamic preview of all UI component variations, leading to better collaboration, faster debugging, and 40% higher component reuse across the project.
- Engineered highly reusable, modular UI components with clear separation of view, logic, and data, designed to adapt to diverse workflows and business requirements across the platform.
- Implemented a prompt engineering framework to accelerate prototyping and streamline development, ensuring faster and consistent coding.

Software Developer | Data Source - New Jersey Institute of Technology   **Aug 2023 - June 2024**
- Developed a software with robust drag-and-drop capabilities and stepwise execution, ensuring seamless function selection and execution of data transformation.
- Integrated machine learning models (Regression, Decision Tree, Clustering) and leveraged Gen AI for predictive analytics, enhancing data-driven decision-making by 25%.
- Designed an AI-enhanced interface for multi-dataset querying, optimized query performance with smart suggestions, and improved user engagement by 25% through graphical data visualization.
- Implemented breakpoint support, boosting debugging and data processing efficiency by 30% and 20%, respectively.

Software Engineer | Nviera Technologies   **June 2021 - May 2023**
- Developed a PaaS product that provides the platform to develop, test, release, and deploy code in a microservice-based architecture, reducing deployment time by 40%.
- The product offers options to easily orchestrate different microservices that are developed to create new services, leading to a 30% increase in development efficiency.
- Developed features such as a distributed online code editor, automating K8s deployments, and code management, which improved developer productivity by 25%.
- Developed a microservice to read AI model code and generate FAST API wrappers, reducing the time to production for AI models by 50%.

Software Engineer | Mac Machine Tools and Automation   **Aug 2020 - June 2021**
- Developed an internal workday application using React and Django, optimizing HR and financial processes, resulting in a 30% increase in departmental efficiency and a more organized workflow across the company.
- Implemented complex state management and dynamic form validations within the Workday system, ensuring seamless data entry and retrieval for over 1,000 employee records.
- Integrated DevExpress and AG Grid within the Workday application, enabling advanced, customizable data grids that improved data processing speed by 40% and reduced reporting time by 35% for large datasets.

SKILLS

Languages: JavaScript, Python, TypeScript
Database: MS SQL, MongoDB, MySQL, Oracle, PostgreSQL
Domain: E-Commerce, Software, Finance, Heathcare, MedTech
CSS: Tailwind 4, Bootstrap, CSS3
AI: OpenAI API, Prompt Engineering, Hugging Face
Development/Framework: NodeJS, Django, Flask, Microservice, MERN, WordPress, MVVM, RACE, CARE

Frontend Development: React, Next, Angular, HTML5
Utility Tools: AWS, DBSchema, Dockers, Heroku, Kubernetes
React: React Flow, AG Grid, Shadcn, Jest, Router, Hooks, Ant D
State Management: Redux, Mobx
Management: Jira, Agile, GIT, GitHub, GitLab, BitBucket

EDUCATION

New Jersey Institute of Technology   **Newark, New Jersey, US**
Master of Science in Computer Science

Jain University   **Bangalore, Karnataka, India**
Bachelor of Technology in Computer Science Engineering – Internet of Things