

GAGAN INDUKALA KRISHNA MURTHY

Software Developer

[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | **Location:** Sunnyvale, CA | **Email:** ik.gagan@gmail.com | **Phone:** +1 (408)-439-0043

EDUCATION

New Jersey Institute of Technology
Master of Science in Computer Science

Newark, New Jersey, US

Jain University
Bachelor of Technology in Computer Science Engineering - Internet of Things

Bangalore, Karnataka, India

WORK EXPERIENCE

Software Developer | Rebecca Everlene

Sept 2024 - Present

- Designed and developed user-friendly web interfaces for the MEDKids app, improving accessibility and increasing user engagement by 40% among young learners and educators.
- Collaborated with a multidisciplinary team to implement interactive features such as virtual field trips and educational games, resulting in a 30% improvement in user interaction and learning outcomes.
- Streamlined content integration processes, reducing content upload time by 25% and improving app performance and content delivery efficiency by 35%.
- Optimized the app's front-end performance, cutting page load times by 20%, leading to a 15% increase in overall user satisfaction.
- Implemented feedback loops and iterative improvements, enhancing the app's functionality by 30% based on continuous user testing and stakeholder input.

Software Developer | New Jersey Institute of Technology - Data Source NJ

Aug 2023 - June 2024

- Developed software into a stable version with robust drag-and-drop capabilities and stepwise execution, ensuring reliable function selection and execution of data transformation. Implemented breakpoints, resulting in a 30% increase in debugging efficiency.
- Developed custom functions for data reconciliation, including case conversion, field separation, and value transformations, which improved data processing speed by 20%.
- Implemented machine learning models like Regressions, Decision Tree and clustering to provide predictive analytics, improving data driven decision-making by 25%.
- Presented query results and analyses in graphical formats, resulting in a 25% increase in user comprehension and engagement.
- Designed a user-friendly interface for multi-dataset querying and analysis, enhancing user experience and query speed by 20%.

Software Developer | Nviera Technologies

June 2021 - Aug 2022

- 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 Developer | Mac Machine Tools and Automation

Dec 2020 - June 2021

- Developed an internal workday application using React, 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, Golang, TypeScript
Database: MS SQL, MongoDB, MySQL, Oracle, PostgreSQL
Domain: E-Commerce, Software, Finance, Analytics, Health
IDE: VS Code, PyCharm, Eclipse, Jupiter Notebook
Development: NodeJS, MERN, Django, Flask, WordPress

Frontend Development: ReactJS, HTML5, CSS3, NextJs, Angular
Utility Tools: AWS, DBSchema, Dockers, Heroku, Kubernetes
React Packages: Redux, AG Grid, Material UI, Jest, Router, Hooks
CSS and UI/UX: Tailwind, Bootstrap, Figma, Adobe XD
Management: Jira, Agile, GIT, ClickUp, Asana, GitHub, GitLab

PROJECTS

Ecommerce Website – Sneaker Store. ([GitHub Repo](#))

Newark, New Jersey, US

- Developed an Ecommerce website using Flask, displaying the CRUD operations with POST, PUT, GET, DELETE http methods.
- Deployed the application on the Heroku Cloud platform using CI/CD pipelines, achieving 99.9% uptime and ensuring rapid, automated updates with zero downtime while using GIT for version control.