VIVEK YADAV

☎ +91-6371941374 | ✉ iamvivekyadav2003@gmail.com | 🔗 linkedin.com/in/flyervivek

EDUCATION

Chandigarh University || Punjab, India   November 2021 – May 2025
B.E. Computer Science and Engineering
Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Networks, DBMS, Object-Oriented Programming

SKILLS

Languages : Java, Python, Golang, C/C++, JavaScript, HTML, CSS
Technologies : AWS, Docker, Kubernetes, Jenkins, CI/CD, SQL, NoSQL Git/GitHub, Node.js, React.js, REST, Agile, Redis, Kafka, GraphQL

PROJECTS

GoScraper, Real-Time Stock Market Data Extraction Tool
- Developed a Go-based stock market scraper leveraging the Colly web scraping framework.
- Automatically scrapes real-time stock data for multiple companies, saving over 90% of the time compared to manual data retrieval.
- Designed under 100 lines of code, making it easy for developers to extend functionality, such as adding real-time alerts or integrating with additional data sources.

Advanced Text Search Engine in Go for Efficient Data Retrieval
- Developed a high-performance full-text search engine using Go, implementing efficient indexing and retrieval algorithms for large datasets.
- Designed efficient indexing and query processing mechanisms, reducing search execution time by 70% compared to traditional approaches.
- Engineered a high-performance full-text search engine capable of searching 600,000 datasets per second, scalable to handle millions of records with minimal latency.

Scalable 11-Microservices CI/CD Pipeline with Kubernetes
- Designed and implemented a fully automated CI/CD pipeline for an e-commerce architecture with 11 independent microservices using Jenkins, Kubernetes (EKS), and Docker.
- Optimized deployment with Kubernetes auto-scaling, achieving 30% faster application rollout and improved reliability across services.
- Leveraged real-time monitoring and error handling to reduce downtime and ensure 99.9% system availability. Enhanced DevOps efficiency by integrating automation at every step, reducing manual intervention by 80%.

Real-Time NewsApp with API Integration
- Developed a responsive web application that fetches real-time news using the News API and React Router DOM for dynamic page routing.
- Implemented infinite scrolling and loader components to provide a 30% faster and smoother user experience, enhancing user engagement.
- Optimized API calls and integrated lazy loading, reducing data consumption by 25% while ensuring faster load times.

CERTIFICATIONS

NPTEL : Secured a position in the top 5% with a score of 90% in the NPTEL IoT course, conducted by IIT Kharagpur.
Coursera : IBM Full Stack Software Developer