Vidya Sagar Himansu

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Profile

Results-driven software engineer with 3+ years of experience in full-stack development and a proven track record of designing, implementing, and delivering large-scale software systems. Proficient in developing robust, scalable, and secure web applications with expertise in modern frontend and backend technologies. Adept at collaborating with cross-functional teams to align technical solutions with business objectives. Passionate about leveraging emerging technologies to create innovative solutions in dynamic environments.

Skills & Abilities

- **Frontend Technologies:** HTML, CSS, JavaScript, TypeScript, React, Angular, Vue.js
- **Backend Technologies:** C#, Java, .NET, Spring Boot, Python, Ruby
- **APIs:** RESTful API development and integration
- **Database Management:** SQL, NoSQL, PostgreSQL, MongoDB
- **Cloud Platforms:** Microsoft Azure, AWS
- **DevOps Tools:** CI/CD pipelines, Jenkins, Docker, Kubernetes
- **Other:** Agile Methodologies, Object-Oriented Design, Microservices Architecture

Experience

SOFTWARE ENGINEER | SOCIÉTÉ GENERALE | SEPTEMBER 2021 – PRESENT

- Trade Monitoring Application:
  - Designed and developed robust full-stack applications, enhancing user experience by implementing modern single-page application (SPA) frameworks like React.
  - Architected backend services using Java and Spring boot, ensuring scalability and security for cloud-based solutions.
  - Designed and implemented database schemas, optimizing query performance for high-traffic environments.
  - Built and maintained APIs to facilitate seamless data exchange between client and server applications.
  - Implemented CI/CD pipelines to automate build, test, and deployment processes, reducing time to downstream.
  - Collaborated with program managers and designers to align on project goals and ensure delivery of high-quality solutions.
  - Increased website performance by 20%,reduced bug counts by 30% and optimizing backend processes.
  - Impacted trade flow worth of USD 50mn+

- Trade Monitoring Application:
  - Collaborated on the development of full-stack applications using .NET Windows Forms for the frontend, and C# and .NET for the backend, ensuring secure and efficient solutions.
  - Developed and maintained APIs, leveraging message queues (MQ) for seamless integration between client applications and backend systems.
  - Streamlined collaboration and deployment workflows using CI/CD pipelines to enhance efficiency.
  - Partnered with cross-functional teams to deliver high-quality solutions aligned with business objectives.

Education

BTECH. | INFORMATION TECHNOLOGY | 2017-21 | ARMY INSTITUTE OF TECHNOLOGY, PUNE

Projects

Supply Chain Optimization Projects:

- **Inventory Management System:** Develop a web application to optimize inventory levels, reduce stockouts, and minimize holding costs.
    - **Technologies:** React, Node.js, MongoDB, Azure Functions
    - **Features:** Real-time inventory tracking, demand forecasting, automated replenishment, and anomaly detection.
- **Supply Chain Visibility Platform:** Build a platform to track and visualize the entire supply chain, from raw material sourcing to final product delivery.
    - **Technologies:** React, Node.js, PostgreSQL, Azure IoT Hub
    - **Features:** Real-time shipment tracking, predictive analytics, and alerts for potential disruptions.
- **Demand Forecasting Tool:** Create a machine learning-powered tool to accurately predict future demand, enabling better production planning and resource allocation.
    - **Technologies:** Python, TensorFlow/PyTorch, Azure Machine Learning
    - **Features:** Time series forecasting, statistical modeling, and machine learning algorithms.

Achievement

- Delivered a mission-critical application supporting 1M+ users with zero downtime during deployment.
- Spearheaded a team effort to migrate a legacy system to a modern micro-services architecture, reducing operational costs by 30%.