ABHIJITH V PILLAI

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SKILLS

Backend Development	C#, ASP.NET, LINQ, SQLKata, RESTful APIs, Kafka, CDC, FLINQ
Frontend Development	ReactJS, AngularJS, JavaScript, HTML/CSS
Tools and DB	Azure, Docker, CI/CD, SQL Server, MySQL, Vertica, Doris

EXPERIENCE

Software Development Engineer — Jul 2023 - present
CareStack — *Trivandrum, IN*

- Led the migration of critical modules from a monolithic architecture to a microservices-based system, improving system scalability and resilience.
- Developed internal utilities to streamline operational workflows, resulting in developer efficiency and reduced repetitive manual tasks.
- Developed a microservice for real-time patient filtering; adopted by 100+ practices in 3 days of release, powering 10000+ saved filters globally and reducing reliance on custom reports and manual DB queries.
- Contributed in redesigning ETL workflows using Flink, CDC and Kafka to enable real-time data migration from SQL databases to Doris, replacing legacy batch processing.
- Collaborated cross-functionally with UI/UX, QA, and DevOps teams to deliver production-ready features.

Web Developer — Aug 2020 - Sept 2022
10gSpectrum — *Trivandrum, IN*

- Contributed to eight projects, primarily focused on E-Commerce platforms.
- Designed and developed scalable RESTful APIs using Node.js and Express.js.
- Integrated third-party services such as PayPal to support secure online transactions.
- Applied core front-end technologies including JavaScript and React to build responsive, user-friendly interfaces.

PROJECTS

Food image classification and nutrient prediction.
Developed a software application capable of predicting food items from images, providing their nutritional values, and suggesting recipes tailored to the user's diet plan. [(Github link)]

CBSE Arts Fest Management System.
Developed a GCP-hosted solution for Sahodhaya Arts Fest coordination in CBSE schools, automating student registration, results processing, and selection workflows with exportable report generation. [(Github link)]

E-commerce Website for Cafe
Designed and deployed a secure MERN-stack cafe platform with PayPal integration, enabling admin-managed product uploads and seamless customer checkout on GCP for high availability. [(Github link)]

LEADERSHIP

Founded and led the Robotics Club at University College of Engineering, organizing multiple workshops and securing university funding to support student innovation.

EDUCATION

BTech Computer Science — 2019 - 2023
University College of Engineering, Thodupuzha.