PARAMVEER SINGH

Senior Fullstack Developer – React | Angular | Java | SpringBoot | Node JS

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TECHNICAL EXPERTISE

Frontend Development
React 19, Next.js 15, Angular, TypeScript, JavaScript ES6+, HTML5, CSS3, Tailwind CSS v4, React Query, Webpack 5 Module Federation, React Flow, Zustand

Backend Integration
Java Spring Boot, RESTful APIs, GraphQL, Node JS Apache Kafka, Apache NiFi, Apache Flink, Apache Spark, WebSocket, Real-time Streaming

Architecture & Infrastructure
Micro-frontends Architecture, Microservices, Design Systems, Performance Optimization, Web Accessibility (WCAG), CI/CD, Docker, Kubernetes

Development Practices
Agile/Scrum Methodology, Test-Driven Development, Code Review, Technical Documentation, Team Leadership, Cross-functional Collaboration

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer
Etisalat | September 2024 – Present | Dubai, UAE

- Lead development of a **React-based real-time monitoring dashboard** using **WebSockets and D3.js**, enabling users to visualize system logs from **Elasticsearch** and **Prometheus** in structured, interactive formats.
- Designed and integrated **Node.js APIs** for aggregating and streaming telemetry data, improving log-query performance and visualization latency.
- Engineered a **Real-Time & Batch Marketing Portal** built on **React** and **Spring Boot Microservices**, allowing business teams to configure and launch large-scale marketing campaigns with both streaming and scheduled workflows.
- Implemented an **ETL pipeline** leveraging **Apache NiFi**, **Kafka**, **Flink**, and **Redis Cache**, achieving throughput of **4 million records per second** for high-volume campaign processing.
- Contributed to cross-team design reviews and optimization of microservice interactions, aligning development with enterprise data monetization objectives.

Senior Frontend Developer
Touchnote | September 2020 – August 2024 | Hyderabad, India

- Spearheaded development of **multiple frontend applications** using **Next.js 14**, **React 18**, and **Angular 14**, delivering scalable and high-performance user experiences for e-commerce and design tools.
- Led the redesign of Touchnote's **E-commerce Web Platform**, optimizing SEO and improving Lighthouse scores above **90+**, resulting in a **7% month-over-month increase in user conversions**.

- Enhanced application responsiveness and UX through modular React components, efficient data fetching, and accessibility improvements aligned with WCAG standards.
- Modernized legacy **Angular-based Postcard and Greeting Card Creator**, integrating **Canvas API** and **drag-and-drop functionality** for intuitive user interactions.
- Built an internal **Content Management System (CMS)** in Angular, empowering designers to upload, organize, and publish new greeting card templates with minimal developer dependency.
- Collaborated with backend teams to implement **Node.js-based microservices** for image rendering, content retrieval, and user order workflows, ensuring seamless frontend–backend synchronization.
- Worked closely with the design and product teams to translate creative ideas into production-ready interfaces, maintaining brand consistency and high usability.

Frontend Developer
IBM India Pvt Ltd | September 2016 – August 2020 | Pune, India

- Delivered **end-to-end full stack solutions** using **Java Spring Boot**, **Angular**, and **REST APIs**, supporting enterprise clients across **banking**, **healthcare**, and **insurance** domains.
- Developed core modules for **BCBSMA (Blue Cross Blue Shield of Massachusetts)**, creating secure web portals for insurance riders and employee enrolment, improving data accessibility and user experience.
- Built and maintained RESTful APIs to manage member data and insurance workflows, integrating **React** and **Spring Boot** for dynamic client-side interaction and faster data updates.
- Contributed to **Barclays' digital banking project**, building and optimizing **Java-based backend services** to support web and mobile applications handling millions of transactions securely.
- Developed and enhanced features for **ADIB Mobile Banking Application**, ensuring compliance with security standards and improving transaction reliability.
- Mentored junior developers, reviewed code for performance and scalability, and collaborated with cross-functional teams for timely feature delivery.
- Recognized for consistent delivery excellence and for successfully transitioning multiple legacy applications to modern Java Spring frameworks.

Projects

DMT Real-Time Dashboard — Abu Dhabi Department of Municipalities & Transport (DMT)
React, D3.js, WebSockets, Kafka, Spring Boot, Prometheus, ElasticSearch

- Designed and developed a **real-time traffic monitoring and analytics dashboard** enabling DMT to visualize live telemetry, event logs, and KPIs across multiple city data sources.
- Integrated **WebSockets** and **Kafka Streams** for low-latency data flow, achieving near real-time updates with sub-second refresh rates.
- Implemented **D3.js-based visualizations** to present structured insights from **Prometheus** and **ElasticSearch**, improving situational awareness and operational decision-making.
- Built and deployed backend services in **Spring Boot Microservices**, ensuring high performance, scalability, and fault-tolerant streaming pipelines.

Real-Time & Batch Marketing Portal — Etisalat
React, Spring Boot, NiFi, Kafka, Flink, Redis, Oracle DRCC

- Built a **self-service marketing platform** for business teams to create, launch, and monitor real-time and batch campaigns.
- Achieved **4 million records/second throughput** via optimized ETL pipelines using **Kafka, Flink, and Redis** integrated with Spring Boot microservices.

Touchnote E-Commerce Web Platform
Next.js 14, React 18, Node.js, SCSS, SEO Optimization

- Developed a **high-performance e-commerce website** with SEO-first architecture and Lighthouse score above **90+**.
- Enhanced UX and conversion funnel, achieving a **7% month-over-month increase** in customer purchases.

BCBSMA – Insurance Riders & Employee Portal
React, Java Spring Boot, REST APIs, Oracle

- Developed secure **web portals for policyholders and employees** to manage insurance riders, claims, and enrollment data.
- Improved data processing efficiency and user experience by modernizing legacy modules into **Spring Boot microservices** integrated with **React UI**.

ADIB Mobile Banking Application — Abu Dhabi Islamic Bank
Java, IBM MobileFirst, REST APIs, Oracle DB

- Built and enhanced **mobile banking features** for secure fund transfers, bill payments, and real-time transaction tracking.
- Optimized backend services using **Java REST APIs**, improving response times and ensuring high reliability under heavy transaction loads.

EDUCATION

Bachelor of Technology in Computer Science and Engineering
Guru Nanak Institute of Technology | 2016 | CGPA: 8.43/10.0

Personal Project

- **ETL drag and drop builder, using React flow and React 19.**
- **Real-Time Productivity Companion for Developers** – Track coding sessions, time spent, show live metrics & alerts on breaks / language usage.
- **Niche Skill-Sharing Platform (Micro-sessions)** – Users list micro-skills, learners' book short sessions, review system, video/booking flows.