Aditya Pandya

SOFTWARE DEVELOPMENT ENGINEER

Senior Software Development Engineer with over 7 years of experience specializing in Micro-Frontend architecture and cloud-native DevOps. Proven expertise in leading large-scale architectural migrations, including transitioning legacy .NET solutions to modern decoupled environments and enabling Kubernetes for enterprise-grade products.

EXPERIENCE

CITI : Apps Dev Intmd Programming Analyst (Sep '22 - Present)

- **Architected and Scaled Micro-Frontends :** Engineered a modular application ecosystem using Angular, Module Federation, and NX, enabling independent deployments and reducing cross-team dependencies.
- **Engineered Scalable Core Infrastructure :** Developed a suite of reusable UI libraries and configurable Angular modules using Injection Tokens, which standardized UI consistency and accelerated development cycles across global teams.
- **Optimized Runtime Flexibility :** Implemented a dynamic Feature Flag system to toggle application modules at runtime, allowing for seamless updates without redeployments.
- **Modernized CI/CD & DevX :** Automated pre-commit hooks for SonarQube and linting, while managing containerized deployments using Docker and Helm to streamline the DevOps pipeline.
- **Ensured Enterprise Reliability :** Established a robust testing framework by integrating Cypress E2E suites, significantly decreasing regression issues in production.

Full Stack Developer @ Quantiphi (July'21 - Sep '22)

- **Architected End-to-End MEAN Stack Solutions :** Led the design and development of full-stack functionalities, overseeing the architecture from initial API creation to final UI/UX implementation.
- **Optimized Data Orchestration :** Architected and developed REST APIs using Node.js and Express, integrating AWS DynamoDB and SQS to enhance data processing efficiency by 20%.
- **Scalable Frontend Design :** Orchestrated the implementation of Micro-Frontend Architecture using Module Federation, ensuring seamless integration and independent deployment across multiple projects.
- **Standardized Component Architecture :** Engineered a library of 15+ reusable Angular components, services, and pipes, which reduced overall development time by 30%.

Frontend Dev & DevOps Engineer @ Digitate (July '19 - June '21)

- **Led Architectural Migration to Cloud-Native :** Directed the initiative to enable Kubernetes on the core product, transitioning the infrastructure to a modern containerized environment.
- **Designed Core Automation Suite :** Spearheaded the design and development of features for a comprehensive Automation Testing Suite, focusing on scalable UI component architecture.

CONTACT

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SKILLS & EXPERTISE

Languages & Core :
TypeScript, JavaScript (ES6+), C#, .NET Core, SQL

Frontend Architecture :
Angular (v2–18+), Micro-Frontend (MFE), Module Federation, NX Monorepo, RxJS, SASS/SCSS, D3.js

Backend & APIs:
Node.js, Express, RESTful APIs, Stored Procedures (SPs)

Databases
SQL Server, MongoDB, PostgreSQL

DevOps & Cloud:
Docker, Kubernetes (K8s), Helm, Istio (Service Mesh), AWS (SQS, DynamoDB), CI/CD (GitHub Actions, Jenkins)

Testing & Tooling
Cypress E2E, Unit Testing (Jasmine/Jest), Git/GitHub, Docker-compose

- **Engineered High-Performance Visualizations:** Architected complex animated graph components using D3.js to provide deep-dive analytical insights.
- **Advanced Containerization Strategy:** Developed and managed K8s components and containerized services, earning a Special Achievement Award for leadership in DevOps enablement.

Technical Personal Projects

Full Stack Consultant & Directed Architectural Migration

- **Database Engineering & Optimization:** Designed and implemented complex relational database schemas and authored optimized Stored Procedures (SPs) in SQL Server to improve data integrity and query performance.
- **Backend Refactoring:** Modernized the business logic layer by transitioning legacy services to .NET Core/C#, ensuring better scalability and maintainability.

E-commerce Platform | Full Stack Lead & Deployment:

- Engineered a high-performance e-commerce platform using Angular for the frontend and Node.js for the backend, managing the entire product lifecycle from design to deployment.
- **Database & Storage Engineering :** Designed a relational schema using PostgreSQL and implemented a scalable cloud storage solution utilizing AWS S3 Buckets for optimized handling of user and product media.
- **Financial Integration :** Spearheaded the integration of the PhonePe Payment Gateway, ensuring secure, PCI-compliant transaction processing for a seamless customer checkout experience.

Garbhsanskar | Backend Developer | Product Launch & Growth:

- Created Backend API's and launched a mobile application that achieved 10K+ downloads on the Play Store within 30 days of release.
- Managed the full backend layer, from initial system design and database modeling to deployment.

Education

Graduated from GTU, Gujarat with Bachelors in Computer Engineering

ACCOMPLISHMENTS

- 10K+ downloads on Playstore within a month of launch of Garbhsanskar
- Special Achievement Award from Digitate for taking an initiative on the enablement of Containerization and K8s