

# NITIN SRIVASTAVA

## SOFTWARE DEVELOPMENT ENGINEER – II

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### PROFESSIONAL SUMMARY

- **Software Development Engineer** with 5+ years of experience in development, cloud infrastructure, and microservice architecture. Proven track record in delivering scalable enterprise solutions with measurable business impact.

### PROFESSIONAL EXPERIENCE

#### TEKSYSTEMS GLOBAL (CLIENT: ADOBE )

📍 Noida, Uttar Pradesh, India

#### SOFTWARE DEVELOPMENT ENGINEER – II

📅 April 2025 - Present

##### Project: Data and AI Governance Platform

Technologies: Next, TS, Adobe Spectrum, Zustand, Socket.IO

- Delivering the **Lewis & Clark Navigator** experience for enterprise **data and AI governance**—centralized **discovery, classification, and access management** for public-cloud data with executive **governance insights** dashboards aligned to org hierarchy, cloud provider, and geography.
- Building production **Next.js (App Router)** and **TypeScript** interfaces with **Adobe React Spectrum, Zustand,** and **TanStack React Query**, including admin workflows, data-access requests, and integrations such as **AI-assisted** knowledge queries and real-time updates via **Socket.IO** / event-driven client patterns.
- Implementing secure **Okta OAuth** flows with **NextAuth v5**, validated forms (**React Hook Form, Zod**), and analytics/observability hooks—shipping a **PWA-ready** governance portal deployed on Cloud Foundry (**Azure**).

##### Project: ATSCloud - Cloud Infrastructure Platform

Technologies: Next.js, TypeScript, Zustand, Python, FastAPI

- Architecting core cloud infrastructure modules for ATSCloud, enabling provisioning of **Virtual Compute, Load Balancer as a Service (LBaaS),** and **Storage solutions (NFS/SMB)** for 500+ internal teams across Adobe's cloud ecosystem.
- Designed intuitive frontend interfaces using **Next.js, React,** and **TypeScript** with **Zustand** state management, reducing provisioning workflow time by **45%** and improving developer productivity.
- Developed event-driven microservices architecture with **Python** and **FastAPI**, processing 100K+ provisioning requests monthly with 99.9% uptime and sub-500ms P95 response times.

#### APPINVENTIV TECHNOLOGIES

📍 Noida, Uttar Pradesh, India

#### SOFTWARE DEVELOPMENT ENGINEER

📅 August 2023 - April 2025

##### Project: Sonny Carwash Dashboard System

Technologies: React, Redux Toolkit

- Engineered a real-time analytics dashboard processing **50K+ sensor events daily** across 100+ car wash stations, enabling predictive maintenance and reducing equipment downtime by **30%**.
- Designed scalable **FastAPI** backend with RESTful endpoints handling 200K+ daily API requests, implementing caching strategies that reduced database load by **65%** and improved response times from 800ms to 180ms.
- Built interactive data visualization frontend using **React** and **Redux Toolkit** with real-time WebSocket connections, displaying live metrics with sub-second latency for 500+ concurrent users.
- Led code reviews for team of 4 developers, establishing coding standards and reducing production bugs by **35%**.

#### TATA CONSULTANCY SERVICES

📍 Noida, Uttar Pradesh, India

#### SYSTEM ENGINEER

📅 October 2020 – August 2023

##### Project: FoamGlas - Enterprise CRM Platform

Technologies: React.js, TypeScript, Redux, REST APIs, Material-UI

- Architected and developed a modern CRM platform using ReactJS and TypeScript, increasing online sales conversion rate by **35%** and driving **\$2M+ in additional annual revenue**.
- Resolved critical performance bottleneck by implementing reusable components and optimizing re-renders of the overall application that eventually reduced page loading time by **30%**.


### TECHNICAL SKILLS

- **Backend:** Python, FastAPI, RESTful APIs, Microservices Architecture, Event-Driven Systems
- **Frontend:** React, Next.js, Redux, Zustand, TypeScript, Tanstack Query, Zod, JavaScript (ES6+), HTML5, CSS3
- **Databases:** PostgreSQL, MongoDB (Query Optimization, Indexing, Caching Strategies)
- **Core Concepts:** System Design, Distributed Systems, Computer Networks, Data Structures & Algorithms, OOP

## EDUCATION

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BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE  
PSIT Kanpur

 2016 - 2020

## CERTIFICATIONS AND ACHIEVEMENTS

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- Appinventiv Annual Performance Review - Received highest rating for year 2023-2024 for exceptional technical contributions and code quality.
- NPTEL Online, IIT Madras certification on **Data Structures and Algorithms using Python**
- NPTEL Online, IIT Kharagpur certification on **Programming using C++**
- Achieved **5-star rating in Problem Solving on HackerRank** with expertise in Data Structures & Algorithms
- Secured **2nd position in Inter-College Best Computer Science Project Competition**