

NANDAN VYAS

SOFTWARE ENGINEER



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nv-nandanvyas



NandanVyas



nandanvyas.com

Full-Stack Software Engineer with 2+ years of hands-on experience in designing, developing, deploying, and managing scalable end-to-end software solutions using modern technologies like Next.js, Node.js, and MongoDB, consistently driving operational efficiency and enhancing user experience.



Core Competencies

Full Stack Development

Requirement Gathering

RESTful API Development

Continuous Integration & Deployment (CI/CD)

Troubleshooting & Debugging

Microservices Architecture

STLC/SDLC

Web/ Application Development

Containerization & Orchestration

Database Management

Version Control

Stakeholder Management



Profile Summary

- Proven ability to **manage centralized dashboard systems** using **Next.js & Node.js**, ensuring seamless data visualization and user interface performance.
- Versatile team player who has taken on diverse roles including **DevOps responsibilities** and temporarily served as a **Database Administrator (DBA)**, showcasing adaptability and problem-solving skills under critical situations.
- Recognized for exemplary performance with a **problem solver certificate** and a **cash bonus** for contributions towards project success and operational excellence.
- Strong acumen in Software Development Lifecycle (SDLC)** right from requirement analysis, documentation (functional specifications, technical design), coding and testing (preparation of test cases along with implementation) to maintenance of applications.
- Experienced in liaising with users for requirement gathering**; preparing functional specifications and design documents.
- Skilled in formulating clean, efficient, and well-documented code** in one or more programming languages; developing and maintaining software applications, including **testing and debugging code**.
- Built robust architecture** for different solutions by managing the security, performance, **availability, compliance, scalability and maintainability aspects** of software development.
- Competent in developing and managing well-functioning databases** and applications, **writing effective APIs, testing software** to ensure responsiveness and efficiency, **troubleshooting, debugging and upgrading software**, and **creating security and data protection settings**.



Technical Skills

Languages: JavaScript/TypeScript, Java, Python, C++, SQL

Backend: Node.js, RESTful APIs, Microservices

Frontend: React.js, Next.js, Redux, Tailwind CSS, Responsive Design, Web Performance Optimization

Databases: MongoDB, PostgreSQL, MySQL, Redis, Database Design, Query Optimization, Indexing

Cloud & DevOps: Azure, Docker, Kubernetes, CI/CD (Jenkins, ArgoCD), Git, Linux

Concepts: Data Structures, Algorithms, System Design, Distributed Systems, Design Patterns



Education



B.Tech. in Computer Science

| Thapar University, Patiala,

Punjab | 2019–2023

CGPA: 8.07/10

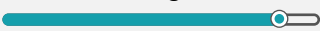


Soft Skills

Time Management



Problem-Solving



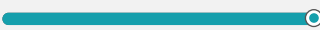
Proactive



Analytical & Critical Thinker



Planner & Communicator



Decision-Making



Work Experience

Software Engineer, Foundit.in (Aug 2023 – Present)

foundit

- Orchestrated the end-to-end development of an internal operations dashboard supporting 200+ employees, optimizing workflows and diminishing manual processes by 60% through implementation of Next.js, Node.js microservices architecture, and MongoDB.
- Engineered and executed a scalable CI/CD pipeline leveraging Jenkins Shared Library and ArgoCD, accelerating deployment cycles and reducing deployment time by 80%.
- Assumed the role of Acting Database Administrator, overseeing production database environments, enhancing performance through tuning, instituting robust backup protocols, and refining query efficiency amid a critical team transition.



Achievements & Competitive Programming

- **Leetcode:** Rating 1,731 (Top 11%), 500+ problems solved, strong proficiency in dynamic programming, graphs, and more
- **Google Kick Start 2022:** Global Rank 2,066 in Round G, showcasing advanced algorithmic problem-solving
- **Academic Excellence:** Awarded college scholarship for ranking in the top 10% of CSE students



Personal Details

- **DOB:** 4th Feb 2001
- **Languages:** English, Hindi
- **Address:** Palampur, HP

Software Engineering Intern, Foundit.in (May 2023 – Aug 2023)

- Initiated and spearheaded the development of a centralized operational dashboard utilizing Next.js, Node.js, and MongoDB to consolidate and streamline company workflows.
- Architected RESTful APIs and collaborated cross-functionally to define project architecture and implement CI/CD pipelines using Jenkins and Docker, fostering seamless development and deployment processes.



Projects Undertaken

Full-Stack E-Commerce Platform | Technologies: Next.js, TypeScript, Node.js, MongoDB, JWT

- Engineered a full-stack e-commerce platform featuring secure user authentication, dynamic shopping cart, and comprehensive order management.
- Integrated JWT-based authentication with Paytm Payment Gateway to ensure secure transactions.
- Designed a responsive UI with support for dark/light themes, achieving a 95% Lighthouse performance score.

NGO Discovery Platform — Rooting for a Good Cause | Technologies: Next.js, Web3, MongoDB, Solana

- Developed a centralized platform enabling philanthropists to discover and support NGOs aligned with their passions.
- Enabled advanced search and filtering of NGOs, real-time chat functionality between users and NGOs, and access to the latest news and events on social and environmental welfare initiatives.

Technical Projects & Open Source

- **ElasticUI:** Contributed frontend enhancements for the IDT conference website. [\[Live Site\]](#)
- **OpenGL Baseball Game:** Created a baseball game leveraging OpenGL and C++. [\[GitHub\]](#)
- **Bionic Buddy IoT Robot:** Built an autonomous robot that follows a smartphone using Arduino Uno, GPS module, and Bluetooth connectivity.