

MADAN GHIMIRE

Software Developer

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PROFESSIONAL SUMMARY

Innovative Software Developer with 4+ years of experience crafting responsive, scalable web applications. Specialized in full-stack development using JavaScript/TypeScript ecosystems with React.js, Next.js, Node.js, and Express. Expert in creating reusable generic React components following DRY principles to improve development efficiency and code maintainability. Experienced with Agile methodologies, Jira project management, sprint planning, and retrospectives. Proficient in database architecture using Prisma ORM and ZenStack alongside search optimization through Elasticsearch and ELK Stack. Dedicated to delivering high-performance solutions that drive business value through clean, maintainable code and intuitive user experiences.

TECHNICAL EXPERTISE

Frontend Technologies:

- React.js, Next.js, TypeScript, JavaScript
- Component Architecture: Building reusable generic components following DRY principles
- Tailwind CSS, SCSS, HTML5, CSS3
- Component Libraries: ShadCN UI, MUI, Ant Design, Kendo React
- State Management: Tanstack React Query, Redux.

Backend Technologies:

- Node.js, Express, Nest.js
- RESTful API Design and Implementation
- Authentication & Security Best Practices

Database & Search:

- PostgreSQL, SQL Server
- Prisma ORM, ZenStack

- Elasticsearch, ELK Stack (Elasticsearch, Logstash, Kibana)

Development Tools:

- Git, Docker, Visual Studio, VSCode, Postman

PROFESSIONAL EXPERIENCE

Software Developer

Key Achievements:

- Architected and implemented reusable generic React component libraries, significantly reducing code duplication and development time across multiple projects
- Engineered modern web applications using React.js and Next.js, focusing on performance optimization and responsive design
- Applied DRY principles to create modular, maintainable code structures that improved team efficiency and reduced technical debt
- Architected scalable backend systems with Node.js, Express, and Prisma ORM to support growing user demands
- Implemented comprehensive RESTful API solutions enabling seamless data exchange and real-time functionality
- Enhanced search capabilities through Elasticsearch integration and leveraged ELK Stack for robust system monitoring
- Developed reusable UI component libraries with Tailwind CSS, Kendo React and ShadCN UI, improving development efficiency
- Collaborated cross-functionally with design, product, and development teams to translate business requirements into technical solutions.
- Performed database optimization and query tuning for SQL Server and PostgreSQL environments

KEY PROJECTS

Material Insights

- Technologies: Next.js, React, Prisma ORM, Next Auth, ZenStack, React TanStack Query, PostgreSQL, Kendo React

- **Description:** Comprehensive application for Anautics to manage parts, feedback, and Illustrated Parts Breakdown (IPB), featuring customizable dashboards, widgets, tags, preferences, and favorites
- **Achievements:**
 - Implemented best practices in Next.js architecture with reusable component design following DRY principles
 - Designed customizable dashboard, widgets that could be reused across different views with minimal configuration

Piiink

- **Technologies:** React, Node.js, TypeORM, PostgreSQL
- **Description:** Network platform for profit sharing and business growth connecting members, merchants, charities, and clubs
- **Link:** <https://www.piiink.org/>
- **Achievements:**
 - Built multi-role dashboard system with tailored functionality for different user types
 - Developed reusable form components, data tables, and authentication modules that were shared across multiple features
 - Applied DRY principles to create a component system that adapted to different user roles while maintaining consistency

PLM Software for Food Technologists

- **Technologies:** C# .NET Core MVC, React, Redux, Ant Design
- **Description:** Product Lifecycle Management software enabling food technologists to manage projects, recipes, ingredients, biological hazards, users, and organizations
- **Achievements:**
 - Created a library of reusable React components for common UI patterns, reducing code duplication
 - Implemented generic data handling components that could work with different entity types

Roadmaps App

- **Technologies:** ARAS, .NET, React, Kendo React, TypeScript
- **Description:** PLM application facilitating streamlined product development workflows and lifecycle management
- **Achievements:**
 - Utilized TypeScript interfaces to create type-safe, reusable components
 - Built abstract component patterns that could be extended for specific use cases

Ultraestore

- **Technologies:** Django, React, Redux, Ant Design
- **Description:** Full-featured e-commerce application with comprehensive product management and user experience features
- **Achievements:**
 - Implemented reusable product card and listing components that adapted to different contexts
 - Created generic state management patterns with Redux that could be reused across features

EDUCATION

Bachelor of Science in Computer Science and Information Technology

Tribhuvan University

Graduated: 2019

PROFESSIONAL ATTRIBUTES

- Strong expertise in component-based architecture and DRY principles
- Commitment to writing clean, reusable, and maintainable code
- Strong analytical and problem-solving capabilities with meticulous attention to detail
- Focus on scalability, maintainability, and performance optimization
- Passionate about creating innovative solutions that deliver real business impact