

VISHNU VINAYAN

Senior Software Engineer | Full-Stack & Applied AI Applications

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Professional Summary

Senior Software Engineer with 10+ years of experience, including 8+ years in the UAE, building enterprise platforms, high-traffic e-commerce products, and AI-enabled applications. Strong background in React, Next.js, TypeScript, Node.js, API integration, and full-stack product development, with practical applied-AI experience in RAG, LLM integrations, knowledge assistants, agent workflows, and automation. Contributed to products at Bamboo Card, Apparel Group's Nysaa platform developed in collaboration with Nykaa, BFL Group's Brands For Less, and Transguard's Longines assignment.

Technical Skills

Frontend: React.js, Next.js, TypeScript, JavaScript, Redux, Tailwind CSS, Responsive Web Design
Backend and Data: Node.js, Express.js, REST APIs, GraphQL, PostgreSQL, SQL, MongoDB, Prisma
Applied AI: OpenAI API, Generative AI, Retrieval-Augmented Generation, Large Language Models, AI Agents, Vector Search, Prompt Engineering
Product and Tools: Enterprise Dashboards, E-Commerce, API Integration, System Design, Software Architecture, Workflow Automation, Git, GitHub, Jira, Firebase, Shopify, Vercel

Professional Experience

Bamboo Card (Incenti DMCC)

Frontend Developer | Dubai, UAE May 2024 - Present

- Take ownership of major frontend implementation across the core administration portal, partner and client dashboards, marketplace, landing pages, and B2B/B2C applications, covering product, catalogue, client, order, and operational workflows.
- Help redesign and rebuild the administration ecosystem with reusable React and TypeScript components for complex tables, forms, filters, dashboards, and configuration workflows.
- Build customer-facing and administrative experiences for Tamana, a Binance Mini App-integrated gifting product, connecting mobile-first journeys with internal and external APIs.
- Redesign the API documentation portal and build an AI-powered assistant that answers product and API questions from approved technical documentation and internal knowledge sources.
- Integrate secure REST APIs and collaborate with product, design, QA, operations, and .NET/AWS backend teams to deliver stable releases.
- Contribute to frontend architecture, component standards, performance, usability, maintainability, and practical AI-enabled workflows.

Apparel Group

Senior Full-Stack Developer | Dubai, UAE Oct 2023 - Apr 2024

Full Stack Developer | Dubai, UAE Oct 2022 - Sep 2023

- Contributed to the transformation and relaunch of Nessa.com as Nysaa.com, Apparel Group's omnichannel beauty platform developed in collaboration with Nykaa.
- Developed and modernised web and mobile customer journeys across product discovery, catalogue browsing, filtering, authentication, cart, checkout, and account workflows.
- Worked across Next.js, Node.js, MongoDB, Shopify, and internal APIs; built administration tools for product, catalogue, analytics, and platform-monitoring workflows.
- Improved reusable architecture, performance, maintainability, and production stability while collaborating with product, design, backend, QA, and business teams.

Transguard Group

Senior Software Engineer | Dubai, UAE Mar 2022 - Sep 2022

Client assignment: Reflet Communication, France - Longines

- Contributed to the Longines e-commerce redevelopment through an international client assignment, collaborating remotely with engineering and design teams in France and the UAE.
- Developed responsive React and TypeScript user-interface components integrated with Magento 2 backend services and APIs.
- Supported technical discussions, testing, defect resolution, and release preparation with a focus on visual accuracy, accessibility, responsiveness, and performance.

Professional Experience

BFL Group

Full-Stack Engineer | Dubai, UAE

Aug 2020 - Mar 2022

Frontend Developer | Dubai, UAE

Aug 2019 - Jul 2020

- Progressed from Frontend Developer to Full-Stack Engineer while contributing to BrandsForLess.com, a high-traffic regional e-commerce platform.
- Built React and Redux interfaces and reusable components for product browsing, filtering, customer accounts, cart, and order-related journeys.
- Integrated frontend features with REST APIs and expanded into Node.js and MongoDB backend work, including APIs, business logic, data handling, and service integrations.
- Worked with product, design, QA, frontend, and backend teams on feature delivery, production issue resolution, releases, and maintainability improvements.

Jpd | Brand Strategy & Design Consultants

Software Engineer | Dubai, UAE

Jul 2018 - Aug 2019

- Worked as the in-house web developer, building and maintaining agency and client websites using WordPress, HTML, CSS, and JavaScript.
- Customised themes, plugins, forms, and responsive layouts; translated design concepts into functional pages and handled maintenance, compatibility, and deployment support.

Sigmato Solutions Pvt Ltd

Software Engineer | Bengaluru, India

Jun 2016 - May 2018

- Developed responsive client websites using HTML, CSS, JavaScript, and WordPress, including theme customisation, plugins, forms, and content implementation.
- Applied jQuery to interactive interfaces and contributed to an early internal project-management application, requirements implementation, issue resolution, and website deployments.

Cognizant

Programmer Analyst Trainee | Coimbatore, India

Mar 2014 - Sep 2014

- Completed structured graduate training in C, C++, C#, SQL, databases, debugging, programming fundamentals, and application development.
- Participated in practical team assignments and professional-development sessions covering problem solving, communication, and collaborative software processes.

Selected Projects

OpsBrain AI - Enterprise Knowledge and Operations Assistant | *In active development*

- Conceptualised and developed a conversational assistant for product, API, platform, and operational knowledge, using RAG and vector retrieval to provide grounded answers with supporting context.
- Built the Next.js and TypeScript experience and integrated a FastAPI, PostgreSQL, and pgvector service layer with OpenAI/LLM APIs, contextual evidence, and graceful fallbacks.

Technologies: Next.js, TypeScript, FastAPI, PostgreSQL, pgvector, OpenAI API, RAG | [GitHub](#)

GTI FluxSys - AI-Powered Project and Digital Archive Platform | *In active development*

- Designed stage-based project workflows, assignments, role-based collaboration, approvals, real-time conversations, and a structured archive for project files and completed work.
- Integrated Flux AI for natural-language project creation and retrieval from permission-aware project data while preserving role-based access controls.

Technologies: Next.js, TypeScript, PostgreSQL, AWS S3, OpenAI API, Real-Time Collaboration

GTI Product and Document Automation Platform | *Full-stack client project*

- Built modules for products, brands, categories, advertisements, clients, and orders, together with shareable catalogue links and client order-submission workflows.
- Implemented PDF upload, selection, sequencing, preview, merging, and archive workflows using a full-stack Next.js application with database and cloud-storage integrations.

Technologies: Next.js, TypeScript, PostgreSQL, Prisma, AWS S3, PDF Automation

Education

Dhanalakshmi Srinivasan Engineering College | 2009 - 2013

Bachelor of Engineering in Electronics and Communication Engineering

Selected Certifications

- **Machine Learning Specialization** - DeepLearning.AI, Oct 2025
- **Generative AI for Everyone** - DeepLearning.AI, Oct 2025
- **Certificate of Fundamentals of Agents** - Hugging Face, Jul 2025
- **Advanced React and GraphQL** - Wes Bos
- **AI For Everyone** - DeepLearning.AI, Oct 2025