

Abilash N

✉ abilashnarayanan2001@gmail.com | in abilash2001 | GitHub abilashhhh



Full Stack Developer specialized in the cutting-edge **MERN** stack technologies with a wealth of experience in architecting and implementing **sophisticated front-end experiences** coupled with **scalable and resilient back-end infrastructures**. With a relentless commitment to staying at the forefront of technological advancements, and consistently push the boundaries of innovation in web development, ensuring that my work adheres to the highest industry standards while continuously evolving with emerging trends.

WORK EXPERIENCE

Software Engineer
AFC Digital Pvt Ltd

July 2024 - Present
Jayanagar, Bengaluru

EDUCATION

MERN Stack Development
Prototype Institute

Kochi, Kerala
August 2023 - June 2024

B-Tech CSE - APJ Abdul Kalam Technological University(KTU)
Nehru College of Engineering and Research Centre

Thrissur, Kerala
July 2019 - June 2023

Higher Secondary Education - Kerala Board
GHSS Nemmara

Nemmara, Kerala
June 2017 - March 2019

School Education - Kerala Board
BSS Gurukulam

Alathur, Kerala
May 2005 - March 2017

TECHNICAL SKILLS

Frontend Development : React, Redux, HTML, CSS, Bootstrap, TypeScript.
Backend Development : JavaScript, Node.js, EJS, ExpressJS, REST API, Mongoose, JWT
Database : MongoDB, MySQL
Architecture : MVC, Clean Architecture
Deployment : AWS (EC2), Route 53, NGINX
Familiar : Data Structures and Algorithms, SQL, Firebase
Tools : Git, Postman, Figma, VS Code, Neutrinos Studio, Neutrinos Reels

PROJECTS

ART HEALTH

August 2024 – March 2025

- * Designed and developed dynamic and responsive UI screens, ensuring a seamless user experience across various devices.
- * Engineered automated workflows for generating and delivering dynamic emails and PDFs, optimizing event confirmations and notifications.
- * Implemented dynamic tables that adapt based on the selected plan, providing a customized experience for users with different subscription levels.

Checkpoint Systems

February 2025 – Present

- * Designed and implemented a robust multi-tenant architecture to isolate customer data by provisioning separate MongoDB databases for each client. Integrated dynamic database switching and connection pooling to ensure high availability, optimized performance, and secure resource allocation across concurrent sessions.

- * Developed modular and responsive UI components using AG Grid and React, including dynamic tables, modals. These components support varying screen sizes and tenant-specific customizations.

Trend Trove — Social Media & News Feed Platform (Personal Project)

[SOURCE CODE](#)

- * A full-featured social media and news feed platform built with **Clean Architecture**, combining real-time news with core social features. Includes high-quality video/audio calls (Zego Cloud), instant messaging, ephemeral stories, and AI-powered image captioning (Clarifai). Integrated Razorpay for secure payments.
- * **Tech Stack:** TypeScript, React.js, Node.js, Express.js, MongoDB, Firebase, Tailwind CSS, Redux, Zustand, Clarifai, Zego Cloud, Razorpay, JWT, Nodemailer
- * **Highlights:** Token-based authentication, Google login, profile management, explore and feed pages, user privacy controls, post tagging/saving, ReCAPTCHA protection, admin dashboard, dark mode support, and real-time notifications via Socket.io

Zigma Watches — E-Commerce Web Application (Personal Project)

[SOURCE CODE](#)

- * An online smartwatch store built using the **MVC architecture**. Offers a smooth shopping experience with features like coupon support, referral systems, order tracking, and secure payments via Razorpay.
- * **Tech Stack:** Node.js, Express.js, MongoDB, EJS, HTML/CSS, Bootstrap, Git, Nginx, PM2, AWS
- * **Features:** Auth, product/catalog management, cart, wishlist, offers, OTP confirmation, order management, invoices, ratings, banners
- * **Admin Tools:** Dashboard with sales reports, charts/graphs, user control, product/category management

PUBLISHED PACKAGES

db-connections-util — Secure Database Connection Utility (NPM Package)

[NPM LINK](#)

A robust and security-first utility package designed to parse, encrypt, and reconstruct database connection strings for multiple database types, supporting both cloud and on-premise environments.

- * Published as a public NPM module supporting MongoDB (Atlas/Compass), PostgreSQL, MySQL, Redis (incl. cluster), SQL Server, and Azure CosmosDB.
- * Provides AES-256 encryption of credentials, structured parsing, type detection, and detailed reconstruction of connection strings.